

LWL-Industriemuseum  
Westfälisches Landesmuseum für Industriekultur



Henrichshütte Hattingen

# Programm Herbst 2015

Oktober, November, Dezember

[www.lwl-industriemuseum.de](http://www.lwl-industriemuseum.de)

**LWL**

Für die Menschen.  
Für Westfalen-Lippe.

## **Chemie ist, wenn's bunt wird**

Die Tage werden kürzer, das Jahr geht auf die Zielgerade. Zeit für Veränderungen. Mit „Uomo e Macchina“ endet unsere Sommerausstellung. Wer sie mitnehmen will, kann das jetzt tun. Der Katalog ist erschienen. In Vorbereitung ist bereits unsere Winterausstellung „Historischer Streifzug durch das chemische Labor“. Tatsächlich ist ein Hochofen ein chemischer Reaktor. Eisen und weitere 93 Elemente bilden eine Welt, die uns gleichermaßen unverständlich wie faszinierend erscheint. Es ist unsere Welt. Das Carl Bosch Museum aus Heidelberg sowie Stefan König und andere Spezialisten aus Hattingen zeigen uns, wie die Welt der Elemente verstanden und genutzt werden konnte. Neben Ausstellungen können Sie sich auf Klassik und Comedy, Vorträge und Filme, Motoren und Mode und natürlich wieder Führungen im Fackelschein freuen. Ein bunter Herbst erwartet Sie. Da passt der Slogan der chemischen Industrie: Chemie ist, wenn's bunt wird!

Geöffnet

Di-So sowie an Feiertagen 10-18 Uhr,

Einlass bis 17.00 Uhr,

freitags bis 20 Uhr, Einlass bis 19.00 Uhr

Eintrittsfreie Tage: 6.11.

Sondereintritte wegen Veranstaltung

am 3.10. und 10.+11.10.2015

(1. Weihnachtstag und Neujahr geschlossen)

## Sonderausstellungen

Bis 18. Oktober

**Uomo e Macchina – Arbeit in der Toskana.**

**Fotografien von Pino Bertelli (bis 18. Oktober)**

Unterschiedlicher können zwei Regionen kaum sein: die Toskana und das Ruhrgebiet. Doch im italienischen Sehnsuchtsort der Deutschen gibt es neben Oliven, Rotwein und Renaissance auch Berg-, Hütten- und Kraftwerke. Wie sieht sie aus, die Arbeit in der Toskana? Wie das Revier steckt auch diese italienische Region mitten im Strukturwandel. Pino Bertelli war selbst 25 Jahre Arbeiter im Stahlwerk Piombino, bevor sein Engagement zur Entlassung führte und ihn zwang, seine Berufung zum Beruf zu machen. Die Hütte erlebte einen dramatischen Niedergang. Bertelli hingegen hat seinen persönlichen „Strukturwandel“ bewäl-



tigt: Heute ist er ein international anerkannter „Straßenfotograf“, wie er sich selbst nennt. Im Auftrag der Region hat er Menschen an ihrem Arbeitsplatz in der Toskana portraitiert. Die Fotografien sind nun erstmals in Deutschland zu sehen. Auf Einladung des LWL hat sich Bertelli zudem auch auf die Suche nach dem „postmontanen Hattingen“, nach dem „New Pott“ gemacht. Was erwartet uns? Respekt, Würde und, ja, WWLiebe zeichnen seine Portraits aus.

„Keine Herren, keine Sklaven“ – so begegnet Bertelli den Menschen, seiner Arbeit, seinem Leben.



30. Oktober 2015 – 3.4.2016

### Historischer Streifzug durch das chemische Labor

Ein Hochofen verwandelt Erz, Koks und Kalk in Eisen, Gas und Schlacke. Ein Stahlwerk macht aus sprödem Eisen schmiedbaren Stahl. Auch auf der Hütte ist Chemie überall. Wie hat all das angefangen? Welche Schritte führten von der mystischen Küche der Alchemie in die heutigen HighTech-Labors? Die Ausstellung in Zusammenarbeit mit dem Carl Bosch Museum Heidelberg zeigt die Tradition chemischer Forschung und die Entwicklung des chemischen Labors – von der mittelalterlichen Probierkunst bis zum futuristischen Denk-Labor der Gegenwart. Sie erleben den Wandel von einer durch Alleskönner betriebenen hin zu einer arbeitsteiligen, durch Großgeräte und den sie bedienenden Spezialisten geprägten Wissenschaft. Die Ausstellung folgt diesem Weg über neun Stationen, von denen eine die Henrichshütte als Labor vorstellt.



### Führungen

dienstags bis sonntags 11.30 Uhr

#### Führung ohne Voranmeldung für Erwachsene

2 Euro plus Eintritt

freitags, 18 Uhr

#### Familienführung ohne Voranmeldung

2 Euro plus Eintritt bis 23. Oktober

Ab 30. Oktober mit Fackeln/Knicklichtern  
8 Euro Erw., 4 Euro Kinder von 6-17 Jahren  
inkl. Fackel/Knicklicht



samstags, 15 Uhr

#### Familienführung ohne Voranmeldung

2 Euro plus Eintritt

sonntags, 14.30 Uhr

#### Ratten-Kinderführung ohne Voranmeldung,

2 Euro plus Eintritt

#### Führung durch den Luftschutzstollen ohne Voranmeldung

sonntags bis zum 29. November  
um 14.30, 15.30, 16.30 Uhr

2 Euro plus Eintritt

Veranstaltungen





Samstag, 3. Oktober, 12-24 Uhr Sondereintritt!  
**VAU-MAX Tuning Show**  
 Eintritt Erw. 5 Euro, Kinder/Jgdl. (6-17 J.) 2 Euro,  
 Ermäßigt 3 Euro  
 PKW 15 Euro inkl. Fahrer, Beifahrer zahlen den Eintritt

Samstag, 3. Oktober, 15 & 16 Uhr  
**Bunker-Tour – die Führung durch den Luftschutzstollen**  
 Museumseintritt plus 2 Euro

Sonntag, 4. Oktober, 10-18 Uhr  
**„Immer wieder sonntags...“**  
 Unsere Führungsangebote finden Sie in der Rubrik  
 „Führungen“. Zusätzlich von 14-17 Uhr Eisenbahnführerstand-Mitfahrten. Museumseintritt

Sonntag, 4. Oktober, 11-16 Uhr  
**RatzFatz Familientrödelmarkt**  
 Informationen und Standanmeldung unter  
 (02302) 91427-0. Eintritt zum Markt frei

Sonntag, 4. Oktober, 11 -13 Uhr  
**Herbstspaziergang mit dem Förderverein**  
 Führung von Hochofen 3 zu den ersten Wohnhäusern der Hüttenarbeiter in Welper. Anmeldung unter (02324) 9247-151, Treffpunkt Museumseingang  
 7 Euro p.P. zzgl. Museumseintritt



Mittwoch, 7. Oktober, 18 Uhr  
**Filmabend: „1900“ („Novecento“) FSK16**  
 (Bernardo Bertolucci, I, F, BRD 1976, 303 min.) Ein italienisches Jahrhundert in 5 Stunden. Der Monumentalfilm spielt in der Emilia-Romagna zwischen Jahrhundertwende und Befreiung vom Faschismus. Klassenunterschiede prägen die Freundschaft zwischen dem am gleichen Tage geborenen Landarbeitersohn Olmo Dalcò (Gérard Depardieu) und dem Enkel Alfredo (Robert De Niro) des Gutsbesitzers Berlinghieri (Burt Lancaster). Während Olmo Sozialist wird und Alfredo Bohémien, finden der sadische Verwalter Attila (Donald Sutherland) und die verarmte Adelige Regina (Laura Betti) zu einander. Der Faschismus gibt ihnen die Macht für Gewaltexzesse. Sie gehen mit dem Faschismus unter. Die Rivalität zwischen Arbeit und Kapital, zwischen Olmo und Alfredo geht hingegen weiter ... Vier Akte prägen den Film: Der Sommer, die Fülle des Feudalsystems, der Herbst, der Niedergang der Eliten, der Winter, der Aufstieg des Faschismus, der Frühling, der sozialistische Neubeginn. Gewaltdarstellungen und Sexszenen brachten den Film ebenso in die Kritik (FSK16) wie die holzschnittartigen Charaktere. Doch gerade so gelingt es, Leiden und Leidenschaft eines europäischen Jahrhunderts mit einer Geschichte zu erzählen. Grandiose Bilder, prominente Schauspieler und die exzellente Musik von Ennio Morricone machen „1900“ zu einem Ereignis, das man erlebt haben sollte. Eintritt frei



Samstag, 10. Oktober & Sonntag, 11. Oktober, jeweils 10-18 Uhr Sondereintritt!  
**WAZ präsentiert: „SCHÖNE STERNE 2015“ – Das 6. Mercedes-Treffen**  
 Eintritt Erw. 5 Euro, Kinder/Jgdl. (6-17J.) 2 Euro, Ermäßigt 3 Euro, PKW (nur Mercedes-Benz & smart) pro Tag 12 Euro inkl. aller MitfahrerInnen, Wochenendticket 20 Euro



Sonntag, 11. Oktober, 10-18 Uhr

### „Immer wieder sonntags...“

Unsere Führungsangebote finden Sie in der Rubrik „Führungen“. Zusätzlich von 14-17 Uhr Schmiedevorführungen in den Schaubetrieben des Fördervereins. Sondereintritt wegen Veranstaltung s. o.

Sonntag, 11. Oktober, 11-13 Uhr

### Grüne Werkstatt: Früchte und Samen – Perfekte Transportunternehmen

Unterschiedlichste Pflanzen haben auf dem Gelände der ehemaligen Henrichshütte neue Lebensräume erobert. Ihre Samen gelangten häufig mit dem Wind auf das Gelände, aber auch Tiere, Menschen und Eisenbahnwaggons dienten als Transportmittel. Wir suchen winzig kleine und dicke Samen, untersuchen ihre „Verpackung“ und erfahren Wissenswertes über ihre Nutzung. Außerdem werden verschiedene Verbreitungstechniken erforscht. Die TeilnehmerInnen lassen selbstgebastelte Exemplare vom Hochofen fliegen. Buchbar auch für Gruppen und Schulklassen bis Ende Oktober. Offenes Angebot für Familien in Kooperation mit der VHS Hattingen. Kosten: 3 Euro plus Sondereintritt s. o.

Freitag, 16. Oktober, 19-23 Uhr

### Fotoworkshop „Low Key“

Mit der Kamera auf Entdeckungstour: Themenworkshop „Low-Key“ für Fortgeschrittene. Anmeldungen online bei [www.aufnachtschicht.com](http://www.aufnachtschicht.com) oder per Mail an: [daniela@aufnachtschicht.com](mailto:daniela@aufnachtschicht.com) unter der Buchungsnummer: HA16/10/15. 60 Euro zzgl. Museumseintritt

Sonntag, 18. Oktober, 10-18 Uhr

### „Immer wieder sonntags...“

Unsere Führungsangebote finden Sie in der Rubrik „Führungen“. Zusätzlich von 14-17 Uhr Vorführungen in der Schaugießerei des Fördervereins. Museumseintritt

Sonntag, 18. Oktober, 11-16.30 Uhr

### MontanTicketRuhr – die Saisonabschluss tour

Industriekultur erfahren. Ganztägiger Ausflug inkl. Bahnfahrten und Besuchen in den LWL-Industriemuseen Zeche Nachtigall Witten und Henrichshütte Hattingen.



Sonntag, 18. Oktober, 18 Uhr

### Finissage Uomo e Macchina – Arbeit in der Toskana. Fotografien von Pino Bertelli

Eintritt frei

Sonntag, 18. Oktober, 10-18 Uhr

### Secondhand Modemarkt Frauenkram

Modemarkt spezialisiert auf Second-Hand Modeartikel für Frauen. Informationen unter [www.frauenkram.land](http://www.frauenkram.land) 3 Euro, Männer und Kinder unter 14 Jahren Eintritt frei

Montag, 19. Oktober, 19 Uhr

### Wolf Coderas „Session Possible“

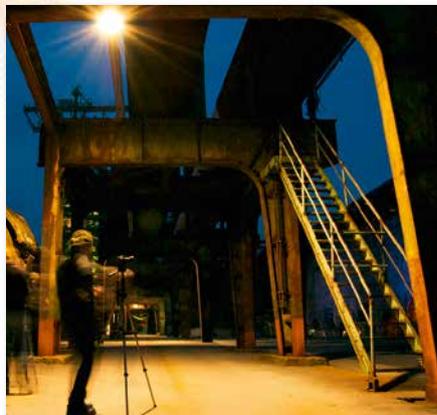
Coderas Kult-Session mit internationalen Gästen in der Museumsgastronomie „Henrichs“. VVK bei allen CTS-VVK-Stellen (Ticket-Hotline : 01805.147799). VVK 18 Euro, AK 22 Euro, Erm. VVK 14 Euro unter [www.henrichs-restaurant.de](http://www.henrichs-restaurant.de)

Freitag, 23. Oktober, 18-23 Uhr

### Foto Workshop „Henrichshütte bei Nacht“

Erforschen Sie mit Ihrer Kamera unter Leitung von Gerd Hehs das attraktiv illuminierte Hüttengelände bei Nacht. Für diesen Fotoworkshop werden Räume zugänglich gemacht, die für die Museumsbesucher noch nicht geöffnet sind. Gerd Hehs leitet seit vielen Jahren eine Gruppe jugendlicher Fotografen. Seine gekonnt

inszenierten Bilder sind schon in zahlreichen Ausstellungen zu sehen gewesen. Max. 8 Teilnehmer, Anmeldung unter (02324) 9247-140. 45 Euro zzgl. Museumseintritt



Infos und Karten unter Tel. (0208) 309983010 und [www.montanicketruhr.de](http://www.montanicketruhr.de). Erwachsene 19,50 Euro, Kinder (6-14 Jahre) 10 Euro, Familien (2 Erwachsene mit max. 4 Kindern) 45 Euro



Freitag, 23. Oktober, 18.30 Uhr

### Vortrag „Die schwersten Stahlgussstücke der Welt“ von Heinz Ludwig Bücking

Eintritt frei



Freitag, 23. Oktober, 19 Uhr

### Whisky-Tasting

Lecker im Glas, Lecker auf Gabel und Löffel, Interessantes von Whisky-Kenner Hartmut Kreienbrock. Anmeldung unter [whiskytreff@email.de](mailto:whiskytreff@email.de) 35 Euro

Samstag, 24. Oktober, 11-17 Uhr

### Messe Hattingen „Füreinander – Miteinander“

Ehrenamt und soziale Dienstleistung präsentieren sich unter einem Dach. Eine Veranstaltung der Stadt Hattingen in Kooperation mit Lebendiges Hattingen e.V., SelbstHilfeKonferenz und LWL-Industriemuseum Eintritt frei



Sonntag, 25. Oktober, 10-18 Uhr

### „Immer wieder sonntags...“

Unsere Führungsangebote finden Sie in der Rubrik „Führungen“. Zusätzlich um 10.30 Uhr „Der grüne Weg mit Scout“. Führung zum Thema Tiere und Pflanzen... Museumseintritt plus 3 Euro

Freitag, 30. Oktober, 19 Uhr

### Ausstellungseröffnung: „Historischer Streifzug durch das chemische Labor“

in Kooperation mit dem Carl Bosch Museum Heidelberg. Eintritt zur Eröffnung frei

Freitag, 30. Oktober, 18 -23 Uhr

### Nachtschicht – die Hütte bei Vollmond und Fackelschein!

18 Uhr Familienführung mit Knicklichtern übers Museumsgelände  
20 Uhr Vollmondführung für Erwachsene.  
Anmeldungen nicht erforderlich  
8 Euro Erw., 4 Euro Kinder und Jugendliche von 6-17 J. inkl. Knicklichter/Fackeln



Freitag, 30. Oktober, 19 Uhr

### Whisky-Tasting

Lecker im Glas, Lecker auf Gabel und Löffel, Interessantes von Whisky-Kenner Hartmut Kreienbrock. Anmeldung unter [whiskytreff@email.de](mailto:whiskytreff@email.de). 35 Euro



Samstag, 31. Oktober, 19 Uhr

### Samhainfest – nur für Frauen

Führung mit Fackeln, Halloweenfeuer mit Kreistänzen und Kürbissuppe. Anmeldung unter (02324) 9247-151. 8 Euro

Sonntag, 1. November, 10-18 Uhr

### „Immer wieder sonntags...“

Unsere Führungsangebote finden Sie in der Rubrik „Führungen“. Zusätzlich von 14-17 Uhr Eisenbahnführerstand-Mitfahrten. Museumseintritt

Mittwoch, 4. November, 19 Uhr

### Filmabend „Das Perioden-System – die Jagd nach den Elementen“

(USA 2012, 112 min.) Chemischer Anfangsunterricht – Stoffe untersuchen, messen, vergleichen, Redoxreaktion in der Metallgewinnung und Herstellung von Eisen

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| <table border="1"> <tr> <td>H</td> <td colspan="15"> <table border="1"> <tr> <td>1</td> <td>1,008</td> <td>Wasserstoff</td> <td>1</td> <td>4,003</td> <td>Helium</td> </tr> <tr> <td>2</td> <td>7,016</td> <td>Lithium</td> <td>3</td> <td>9,012</td> <td>Beryllium</td> </tr> <tr> <td>3</td> <td>12,011</td> <td>Natrium</td> <td>4</td> <td>10,811</td> <td>Bor</td> </tr> <tr> <td>4</td> <td>14,007</td> <td>Beryllium</td> <td>5</td> <td>12,009</td> <td>Kohlenstoff</td> </tr> <tr> <td>5</td> <td>16,005</td> <td>Sauerstoff</td> <td>6</td> <td>14,007</td> <td>Silizium</td> </tr> <tr> <td>6</td> <td>18,998</td> <td>Fluor</td> <td>7</td> <td>15,999</td> <td>Schwefel</td> </tr> <tr> <td>7</td> <td>20,180</td> <td>Neon</td> <td>8</td> <td>16,993</td> <td>Chlor</td> </tr> <tr> <td>8</td> <td>22,990</td> <td>Natrium</td> <td>9</td> <td>17,999</td> <td>Argon</td> </tr> <tr> <td>9</td> <td>24,305</td> <td>Magnesium</td> <td>10</td> <td>18,998</td> <td>Kalium</td> </tr> <tr> <td>10</td> <td>26,982</td> 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<td>Vanadium</td> <td>21</td> <td>29,076</td> <td>Zink</td> </tr> <tr> <td>21</td> <td>42,01</td> <td>Chrom</td> <td>22</td> <td>30,974</td> <td>Gallium</td> </tr> <tr> <td>22</td> <td>43,94</td> <td>Mangan</td> <td>23</td> <td>31,972</td> <td>Germanium</td> </tr> <tr> <td>23</td> <td>44,96</td> <td>Eisen</td> <td>24</td> <td>32,96</td> <td>Arsen</td> </tr> <tr> <td>24</td> <td>46,00</td> <td>Cobalt</td> <td>25</td> <td>33,95</td> <td>Selen</td> </tr> <tr> <td>25</td> <td>47,88</td> <td>Nickel</td> <td>26</td> <td>34,96</td> <td>Brom</td> </tr> <tr> <td>26</td> <td>48,94</td> <td>Kupfer</td> <td>27</td> <td>35,96</td> <td>Krypton</td> </tr> <tr> <td>27</td> <td>50,94</td> <td>Zink</td> <td>28</td> <td>36,96</td> <td>Rubidium</td> </tr> <tr> <td>28</td> <td>52,00</td> <td>Gallium</td> <td>29</td> <td>37,96</td> <td>Strontium</td> </tr> <tr> <td>29</td> <td>53,94</td> <td>Germanium</td> <td>30</td> <td>38,96</td> <td>Yttrium</td> </tr> <tr> <td>30</td> <td>54,94</td> <td>Arsen</td> <td>31</td> <td>39,96</td> <td>Zirkon</td> </tr> <tr> <td>31</td> <td>55,94</td> <td>Selen</td> <td>32</td> <td>40,96</td> <td>Niobium</td> </tr> <tr> <td>32</td> <td>56,94</td> <td>Brom</td> <td>33</td> <td>41,96</td> <td>Molybdän</td> </tr> <tr> <td>33</td> <td>57,95</td> <td>Krypton</td> <td>34</td> <td>42,96</td> <td>Technetium</td> </tr> <tr> <td>34</td> <td>58,93</td> <td>Rubidium</td> <td>35</td> <td>43,96</td> <td>Ruthenium</td> </tr> <tr> <td>35</td> <td>59,94</td> <td>Strontium</td> <td>36</td> <td>44,96</td> <td>Rhodium</td> </tr> <tr> <td>36</td> <td>60,93</td> <td>Yttrium</td> <td>37</td> <td>45,96</td> <td>Palladium</td> </tr> <tr> <td>37</td> <td>62,93</td> <td>Zirkon</td> <td>38</td> <td>46,96</td> <td>Silber</td> </tr> <tr> <td>38</td> <td>63,92</td> <td>Niobium</td> <td>39</td> <td>47,96</td> <td>Kadmium</td> </tr> <tr> <td>39</td> <td>64,92</td> <td>Molybdän</td> <td>40</td> <td>48,96</td> <td>Indium</td> </tr> <tr> <td>40</td> <td>65,93</td> <td>Technetium</td> <td>41</td> <td>49,96</td> <td>Zinn</td> </tr> <tr> <td>41</td> <td>67,93</td> <td>Ruthenium</td> <td>42</td> <td>50,94</td> <td>Antimon</td> </tr> <tr> <td>42</td> <td>68,93</td> <td>Rhodium</td> <td>43</td> <td>51,94</td> <td>Telegur</td> </tr> <tr> <td>43</td> <td>69,92</td> <td>Palladium</td> <td>44</td> <td>52,94</td> <td>Iod</td> </tr> <tr> <td>44</td> <td>71,92</td> <td>Silber</td> <td>45</td> <td>53,94</td> <td>Xenon</td> </tr> <tr> <td>45</td> <td>72,91</td> <td>Kadmium</td> <td>46</td> <td>54,94</td> <td>Cäsium</td> </tr> <tr> <td>46</td> <td>73,92</td> <td>Indium</td> <td>47</td> <td>55,94</td> <td>Baryum</td> </tr> <tr> <td>47</td> <td>74,92</td> <td>Zinn</td> <td>48</td> <td>56,94</td> <td>Lanthan</td> </tr> <tr> <td>48</td> <td>76,93</td> <td>Antimon</td> <td>49</td> <td>57,93</td> <td>Cerium</td> </tr> <tr> <td>49</td> <td>77,94</td> <td>Telegur</td> <td>50</td> <td>58,93</td> <td>Praseodym</td> </tr> <tr> <td>50</td> <td>78,94</td> <td>Iod</td> <td>51</td> <td>59,93</td> <td>Neodym</td> </tr> <tr> <td>51</td> <td>79,90</td> <td>Xenon</td> <td>52</td> <td>60,92</td> <td>Europium</td> </tr> <tr> <td>52</td> <td>80,91</td> <td>Cäsium</td> <td>53</td> <td>61,92</td> <td>Gadolinium</td> </tr> <tr> <td>53</td> <td>81,90</td> <td>Baryum</td> <td>54</td> <td>62,91</td> <td>Terbium</td> </tr> <tr> <td>54</td> <td>83,90</td> <td>Strontium</td> <td>55</td> <td>63,92</td> <td>Dysprosium</td> </tr> <tr> <td>55</td> <td>85,47</td> <td>Yttrium</td> <td>56</td> <td>64,93</td> <td>Ho</td> </tr> <tr> <td>56</td> <td>86,91</td> <td>Zirkon</td> <td>57</td> <td>65,93</td> <td>Er</td> </tr> <tr> <td>57</td> <td>88,91</td> <td>Niobium</td> <td>58</td> <td>66,93</td> <td>Tm</td> </tr> <tr> <td>58</td> <td>89,90</td> <td>Molybdän</td> <td>59</td> <td>67,93</td> <td>Yb</td> </tr> <tr> <td>59</td> <td>90,91</td> <td>Technetium</td> <td>60</td> <td>68,93</td> <td>Lu</td> </tr> <tr> <td>60</td> <td>91,90</td> <td>Ruthenium</td> <td>61</td> <td>69,92</td> <td>Actin</td> </tr> <tr> <td>61</td> <td>92,91</td> <td>Rhodium</td> <td>62</td> <td>70,92</td> <td>Th</td> </tr> <tr> <td>62</td> <td>93,91</td> <td>Palladium</td> <td>63</td> <td>71,92</td> <td>Pa</td> </tr> <tr> <td>63</td> <td>95,94</td> <td>Silber</td> <td>64</td> <td>72,91</td> <td>U</td> </tr> <tr> <td>64</td> <td>96,91</td> <td>Kadmium</td> <td>65</td> <td>73,92</td> <td>Np</td> </tr> <tr> <td>65</td> <td>97,91</td> <td>Indium</td> <td>66</td> <td>74,92</td> <td>Pu</td> </tr> <tr> <td>66</td> <td>98,91</td> <td>Zinn</td> <td>67</td> <td>75,92</td> <td>Am</td> </tr> <tr> <td>67</td> <td>100,91</td> <td>Antimon</td> <td>68</td> <td>76,92</td> <td>Cm</td> </tr> <tr> <td>68</td> <td>101,91</td> <td>Telegur</td> <td>69</td> <td>77,92</td> <td>Bk</td> </tr> <tr> <td>69</td> <td>102,91</td> <td>Iod</td> <td>70</td> <td>78,92</td> <td>Cf</td> </tr> <tr> <td>70</td> <td>104,91</td> <td>Xenon</td> <td>71</td> <td>79,92</td> <td>Es</td> </tr> <tr> <td>71</td> <td>106,91</td> <td>Cäsium</td> <td>72</td> <td>80,92</td> <td>Fm</td> </tr> <tr> <td>72</td> <td>108,91</td> <td>Baryum</td> <td>73</td> <td>81,92</td> <td>Md</td> </tr> <tr> <td>73</td> <td>110,91</td> <td>Strontium</td> <td>74</td> <td>82,92</td> <td>No</td> </tr> <tr> <td>74</td> <td>112,91</td> <td>Yttrium</td> <td>75</td> <td>83,92</td> <td>Lr</td> </tr> <tr> <td>75</td> <td>114,91</td> <td>Zirkon</td> <td>76</td> <td>84,92</td> <td></td> </tr> <tr> <td>76</td> <td>116,91</td> <td>Niobium</td> <td>77</td> <td>85,92</td> <td></td> </tr> <tr> <td>77</td> <td>118,91</td> <td>Molybdän</td> <td>78</td> <td>86,92</td> <td></td> </tr> <tr> <td>78</td> <td>120,91</td> <td>Technetium</td> <td>79</td> <td>87,92</td> <td></td> </tr> <tr> <td>79</td> <td>122,91</td> <td>Ruthenium</td> <td>80</td> <td>88,92</td> <td></td> </tr> <tr> <td>80</td> <td>124,91</td> <td>Rhodium</td> <td>81</td> <td>89,92</td> <td></td> </tr> <tr> <td>81</td> <td>126,91</td> <td>Palladium</td> <td>82</td> <td>90,92</td> <td></td> </tr> <tr> <td>82</td> <td>128,91</td> <td>Silber</td> <td>83</td> <td>91,92</td> <td></td> </tr> <tr> <td>83</td> <td>130,91</td> <td>Kadmium</td> <td>84</td> <td>92,92</td> <td></td> </tr> <tr> <td>84</td> <td>132,91</td> <td>Indium</td> <td>85</td> <td>93,92</td> <td></td> </tr> <tr> <td>85</td> <td>134,91</td> <td>Zinn</td> <td>86</td> <td>94,92</td> <td></td> </tr> <tr> <td>86</td> <td>136,91</td> <td>Antimon</td> <td>87</td> <td>95,92</td> <td></td> </tr> <tr> <td>87</td> <td>138,91</td> <td>Telegur</td> <td>88</td> <td>96,92</td> <td></td> </tr> <tr> <td>88</td> <td>140,91</td> <td>Iod</td> <td>89</td> <td>97,92</td> <td></td> </tr> <tr> <td>89</td> <td>142,91</td> <td>Xenon</td> <td>90</td> <td>98,92</td> <td></td> </tr> <tr> <td>90</td> <td>144,91</td> <td>Cäsium</td> <td>91</td> <td>99,92</td> <td></td> </tr> <tr> <td>91</td> <td>146,91</td> <td>Baryum</td> <td>92</td> <td>100,92</td> <td></td> </tr> <tr> <td>92</td> <td>148,91</td> <td>Strontium</td> <td>93</td> <td>101,92</td> <td></td> </tr> <tr> <td>93</td> <td>150,91</td> <td>Yttrium</td> <td>94</td> <td>102,92</td> <td></td> </tr> <tr> <td>94</td> <td>152,91</td> <td>Zirkon</td> <td>95</td> <td>103,92</td> <td></td> </tr> <tr> <td>95</td> <td>154,91</td> <td>Niobium</td> <td>96</td> <td>104,92</td> <td></td> </tr> <tr> <td>96</td> <td>156,91</td> <td>Molybdän</td> <td>97</td> <td>105,92</td> <td></td> </tr> <tr> <td>97</td> <td>158,91</td> <td>Technetium</td> <td>98</td> <td>106,92</td> <td></td> </tr> <tr> <td>98</td> <td>160,91</td> <td>Ruthenium</td> <td>99</td> <td>107,92</td> <td></td> </tr> <tr> <td>99</td> <td>162,91</td> <td>Rhodium</td> <td>100</td> <td>108,92</td> <td></td> </tr> <tr> <td>100</td> <td>164,91</td> <td>Palladium</td> <td>101</td> <td>109,92</td> <td></td> </tr> <tr> <td>101</td> <td>166,91</td> <td>Silber</td> <td>102</td> <td>110,92</td> <td></td> </tr> <tr> <td>102</td> <td>168,91</td> <td>Kadmium</td> <td>103</td> <td>111,92</td> <td></td> </tr> <tr> <td>103</td> <td>170,91</td> <td>Indium</td> <td>104</td>
<td>112,92</td> <td></td> </tr> <tr> <td>104</td> <td>172,91</td> <td>Zinn</td> <td>105</td> <td>113,92</td> <td></td> </tr> <tr> <td>105</td> <td>174,91</td> <td>Antimon</td> <td>106</td> <td>114,92</td> <td></td> </tr> <tr> <td>106</td> <td>176,91</td> <td>Telegur</td> <td>107</td> <td>115,92</td> <td></td> </tr> <tr> <td>107</td> <td>178,91</td> <td>Iod</td> <td>108</td> <td>116,92</td> <td></td> </tr> <tr> <td>108</td> <td>180,91</td> <td>Xenon</td> <td>109</td> <td>117,92</td> <td></td> </tr> <tr> <td>109</td> <td>182,91</td> <td>Cäsium</td> <td>110</td> <td>118,92</td> <td></td> </tr> <tr> <td>110</td> <td>184,91</td> <td>Baryum</td> <td>111</td> <td>119,92</td> <td></td> </tr> <tr> <td>111</td> <td>186,91</td> <td>Strontium</td> <td>112</td> <td>120,92</td> <td></td> </tr> <tr> <td>112</td> <td>188,91</td> <td>Yttrium</td> <td>113</td> <td>121,92</td> <td></td> </tr> <tr> <td>113</td> <td>190,91</td> <td>Zirkon</td> <td>114</td> <td>122,92</td> <td></td> </tr> <tr> <td>114</td> <td>192,91</td> <td>Niobium</td> <td>115</td> <td>123,92</td> <td></td> </tr> <tr> <td>115</td> <td>194,91</td> <td>Molybdän</td> <td>116</td> <td>124,92</td> <td></td> </tr> <tr> <td>116</td> <td>196,91</td> <td>Technetium</td> <td>117</td> <td>125,92</td> <td></td> </tr> <tr> <td>117</td> <td>198,91</td> <td>Ruthenium</td> <td>118</td> <td>126,92</td> <td></td> </tr> <tr> <td>118</td> <td>200,91</td> <td>Rhodium</td> <td>119</td> <td>127,92</td> <td></td> </tr> <tr> <td>119</td> <td>202,91</td> <td>Palladium</td> <td>120</td> <td>128,92</td> <td></td> </tr> <tr> <td>120</td> <td>204,91</td> <td>Silber</td> <td>121</td> <td>129,92</td> <td></td> </tr> <tr> <td>121</td> <td>206,91</td> <td>Kadmium</td> <td>122</td> <td>130,92</td> <td></td> </tr> <tr> <td>122</td> <td>208,91</td> <td>Indium</td> <td>123</td> <td>131,92</td> <td></td> </tr> <tr> <td>123</td> <td>210,91</td> <td>Zinn</td> <td>124</td> <td>132,92</td> <td></td> </tr> <tr> <td>124</td> <td>212,91</td> <td>Antimon</td> <td>125</td> <td>133,92</td> <td></td> </tr> <tr> <td>125</td> <td>214,91</td> <td>Telegur</td> <td>126</td> <td>134,92</td> <td></td> </tr> <tr> <td>126</td> <td>216,91</td> <td>Iod</td> <td>127</td> <td>135,92</td> <td></td> </tr> <tr> <td>127</td> <td>218,91</td> <td>Xenon</td> <td>128</td> <td>136,92</td> <td></td> </tr> <tr> <td>128</td> <td>220,91</td> <td>Cäsium</td> <td>129</td> <td>137,92</td> <td></td> </tr> <tr> <td>129</td> <td>222,91</td> <td>Baryum</td> <td>130</td> <td>138,92</td> <td></td> </tr> <tr> <td>130</td> <td>224,91</td> <td>Strontium</td> <td>131</td> <td>139,92</td> <td></td> </tr> <tr> <td>131</td> <td>226,91</td> <td>Yttrium</td> <td>132</td> <td>140,92</td> <td></td> </tr> <tr> <td>132</td> <td>228,91</td> <td>Zirkon</td> <td>133</td> <td>141,92</td> <td></td> </tr> <tr> <td>133</td> <td>230,91</td> <td>Niobium</td> <td>134</td> <td>142,92</td> <td></td> </tr> <tr> <td>134</td> <td>232,91</td> <td>Molybdän</td> <td>135</td> <td>143,92</td> <td></td> </tr> <tr> <td>135</td> <td>234,91</td> <td>Technetium</td> <td>136</td> <td>144,92</td> <td></td> </tr> <tr> <td>136</td> <td>236,91</td> <td>Ruthenium</td> <td>137</td> <td>145,92</td> <td></td> </tr> <tr> <td>137</td> <td>238,91</td> <td>Rhodium</td> <td>138</td> <td>146,92</td> <td></td> </tr> <tr> <td>138</td> <td>240,91</td> <td>Palladium</td> <td>139</td> <td>147,92</td> <td></td> </tr> <tr> <td>139</td> <td>242,91</td> <td>Silber</td> <td>140</td> <td>148,92</td> <td></td> </tr> <tr> <td>140</td> <td>244,91</td> <td>Kadmium</td> <td>141</td> <td>149,92</td> <td></td> </tr> <tr> <td>141</td> <td>246,91</td> <td>Indium</td> <td>142</td> <td>150,92</td> <td></td> </tr> <tr> <td>142</td> <td>248,91</td> <td>Zinn</td> <td>143</td> <td>151,92</td> <td></td> </tr> <tr> <td>143</td> <td>250,91</td> <td>Antimon</td> <td>144</td> <td>152,92</td> <td></td> </tr> <tr> <td>144</td> <td>252,91</td> <td>Telegur</td> <td>145</td> <td>153,92</td> <td></td> </tr> <tr> <td>145</td> <td>254,91</td> <td>Iod</td> <td>146</td> <td>154,92</td> <td></td> </tr> <tr> <td>146</td> <td>256,91</td> <td>Xenon</td> <td>147</td> <td>155,92</td> <td></td> </tr> <tr> <td>147</td> <td>258,91</td> <td>Cäsium</td> <td>148</td> <td>156,92</td> <td></td> </tr> <tr> <td>148</td> <td>260,91</td> <td>Baryum</td> <td>149</td> <td>157,92</td> <td></td> </tr> <tr> <td>149</td> <td>262,91</td> <td>Strontium</td> <td>150</td> <td>158,92</td> <td></td> </tr> <tr> <td>150</td> <td>264,91</td> <td>Yttrium</td> <td>151</td> <td>159,92</td> <td></td> </tr> <tr> <td>151</td> <td>266,91</td> <td>Zirkon</td> <td>152</td> <td>160,92</td> <td></td> </tr> <tr> <td>152</td> <td>268,91</td> <td>Niobium</td> <td>153</td> <td>161,92</td> <td></td> </tr> <tr> <td>153</td> <td>270,91</td> <td>Molybdän</td> <td>154</td> <td>162,92</td> <td></td> </tr> <tr> <td>154</td> <td>272,91</td> <td>Technetium</td> <td>155</td> <td>163,92</td> <td></td> </tr> <tr> <td>155</td> <td>274,91</td> <td>Ruthenium</td> <td>156</td> <td>164,92</td> <td></td> </tr> <tr> <td>156</td> <td>276,91</td> <td>Rhodium</td> <td>157</td> <td>165,92</td> <td></td> </tr> <tr> <td>157</td> <td>278,91</td> <td>Palladium</td> <td>158</td> <td>166,92</td> <td></td> </tr> <tr> <td>158</td> <td>280,91</td> <td>Silber</td> <td>159</td> <td>167,92</td> <td></td> </tr> <tr> <td>159</td> <td>282,91</td> <td>Kadmium</td> <td>160</td> <td>168,92</td> <td></td> </tr> <tr> <td>160</td> <td>284,91</td> <td>Indium</td> <td>161</td> <td>169,92</td> <td></td> </tr> <tr> <td>161</td> <td>286,91</td> <td>Zinn</td> <td>162</td> <td>170,92</td> <td></td> </tr> <tr> <td>162</td> <td>288,91</td> <td>Antimon</td> <td>163</td> <td>171,92</td> <td></td> </tr> <tr> <td>163</td> <td>290,91</td> <td>Telegur</td> <td>164</td> <td>172,92</td> <td></td> </tr> <tr> <td>164</td> <td>292,91</td> <td>Iod</td> <td>165</td> <td>173,92</td> <td></td> </tr> <tr> <td>165</td> <td>294,91</td> <td>Xenon</td> <td>166</td> <td>174,92</td> <td></td> </tr> <tr> <td>166</td> <td>296,91</td> <td>Cäsium</td> <td>167</td> <td>175,92</td> <td></td> </tr> <tr> <td>167</td> <td>298,91</td> <td>Baryum</td> <td>168</td> <td>176,92</td> <td></td> </tr> <tr> <td>168</td> <td>300,91</td> <td>Strontium</td> <td>169</td> <td>177,92</td> <td></td> </tr> <tr> <td>169</td> <td>302,91</td> <td>Yttrium</td> <td>170</td> <td>178,92</td> <td></td> </tr> <tr> <td>170</td> <td>304,91</td> <td>Zirkon</td> <td>171</td> <td>179,92</td> <td></td> </tr> <tr> <td>171</td> <td>306,91</td> <td>Niobium</td> <td>172</td> <td>180,92</td> <td></td> </tr> <tr> <td>172</td> <td>308,91</td> <td>Molybdän</td> <td>173</td> <td>181,92</td> <td></td> </tr> <tr> <td>173</td> <td>310,91</td> <td>Technetium</td> <td>174</td> <td>182,92</td> <td></td> </tr> <tr> <td>174</td> <td>312,91</td> <td>Ruthenium</td> <td>175</td> <td>183,92</td> <td></td> </tr> <tr> <td>175</td> <td>314,91</td> <td>Rhodium</td> <td>176</td> <td>184,92</td> <td></td> </tr> <tr> <td>176</td> <td>316,91</td> <td>Palladium</td> <td>177</td> <td>185,92</td> <td></td> </tr> <tr> <td>177</td> <td>318,91</td> <td>Silber</td> <td>178</td> <td>186,92</td> <td></td> </tr> <tr> <td>178</td> <td>320,91</td> <td>Kadmium</td> <td>179</td> <td>187,92</td> <td></td> </tr> <tr> <td>179</td> <td>322,91</td> <td>Indium</td> <td>180</td> <td>188,92</td> <td></td> </tr> <tr> <td>180</td> <td>324,91</td> <td>Zinn</td> <td>181</td> <td>189,92</td> <td></td> </tr> <tr> <td>181</td> <td>326,91</td> <td>Antimon</td> <td>182</td> <td>190,92</td> <td></td> </tr> <tr> <td>182</td> <td>328,91</td> <td>Telegur</td> <td>183</td> <td>191,92</td> <td></td> </tr> <tr> <td>183</td> <td>330,91</td> <td>Iod</td> <td>184</td> <td>192,92</td> <td></td> </tr> <tr> <td>184</td> <td>332,91</td> <td>Xenon</td> <td>185</td> <td>193,92</td> <td></td> </tr> <tr> <td>185</td> <td>334,91</td> <td>Cäsium</td> <td>186</td> <td>194,92</td> <td></td> </tr> <tr> <td>186</td> <td>336,91</td> <td>Baryum</td> <td>187</td> <td>195,92</td> <td></td> </tr> <tr> <td>187</td> <td>338,91</td> <td>Strontium</td> <td>188</td> <td>196,92</td> <td></td> </tr> <tr> <td>188</td> <td>340,91</td> <td>Yttrium</td> <td>189</td> <td>197,92</td> <td></td> </tr> <tr> <td>189</td> <td>342,91</td> <td>Zirkon</td> <td>190</td> <td>198,92</td> <td></td> </tr> <tr> <td>190</td> <td>344,91</td> <td>Niobium</td> <td>191</td> <td>199,92</td> <td></td> </tr> <tr> <td>191</td> <td>346,91</td> <td>Molybdän</td> <td>192</td> <td>200,92</td> <td></td> </tr> <tr> <td>192</td> <td>348,91</td> <td>Technetium</td> <td>193</td> <td>201,92</td> <td></td> </tr> <tr> <td>193</td> <td>350,91</td> <td>Ruthenium</td> <td>194</td> <td>202,92</td> <td></td> </tr> <tr> <td>194</td> <td>352,91</td> <td>Rhodium</td> <td>195</td> <td>203,92</td> <td></td> </tr> <tr> <td>195</td> <td>354,91</td> <td>Palladium</td> <td>196</td> <td>204,92</td> <td></td> </tr> <tr> <td>196</td> <td>356,91</td> <td>Silber</td> <td>197</td> <td>205,92</td> <td></td> </tr> <tr> <td>197</td> <td>358,91</td> <td>Kadmium</td> <td>198</td> <td>206,92</td> <td></td> </tr> <tr> <td>198</td> <td>360,91</td> <td>Indium</td> <td>199</td> <td>207,92</td> <td></td> </tr> <tr> <td>199</td> <td>362,91</td> <td>Zinn</td> <td>200</td> <td>208,92</td> <td></td> </tr> <tr> <td>200</td> <td>364,</td></tr></table></td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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<td>16,005</td> <td>Sauerstoff</td> <td>6</td> <td>14,007</td> <td>Silizium</td> </tr> <tr> <td>6</td> <td>18,998</td> <td>Fluor</td> <td>7</td> <td>15,999</td> <td>Schwefel</td> </tr> <tr> <td>7</td> <td>20,180</td> <td>Neon</td> <td>8</td> <td>16,993</td> <td>Chlor</td> </tr> <tr> <td>8</td> <td>22,990</td> <td>Natrium</td> <td>9</td> <td>17,999</td> <td>Argon</td> </tr> <tr> <td>9</td> <td>24,305</td> <td>Magnesium</td> <td>10</td> <td>18,998</td> <td>Kalium</td> </tr> <tr> <td>10</td> <td>26,982</td> <td>Aluminium</td> <td>11</td> <td>19,998</td> <td>Calcium</td> </tr> <tr> <td>11</td> <td>28,086</td> <td>Silicium</td> <td>12</td> <td>20,180</td> <td>Scandium</td> </tr> <tr> <td>12</td> <td>29,076</td> <td>Phosphor</td> <td>13</td> <td>21,009</td> <td>Titanium</td> </tr> <tr> <td>13</td> <td>30,974</td> <td>Schwefel</td> <td>14</td> <td>22,990</td> <td>Vanadium</td> </tr> <tr> <td>14</td> <td>32,06</td> <td>Chlor</td> <td>15</td> <td>23,957</td> <td>Chrom</td> </tr> <tr>
<td>15</td> <td>33,95</td> <td>Argon</td> <td>16</td> <td>24,963</td> <td>Mangan</td> </tr> <tr> <td>16</td> <td>35,45</td> <td>Kalium</td> <td>17</td> <td>25,972</td> <td>Eisen</td> </tr> <tr> <td>17</td> <td>36,96</td> <td>Calcium</td> <td>18</td> <td>26,982</td> <td>Cobalt</td> </tr> <tr> <td>18</td> <td>38,96</td> <td>Scandium</td> <td>19</td> <td>27,977</td> <td>Nickel</td> </tr> <tr> <td>19</td> <td>39,95</td> <td>Titanium</td> <td>20</td> <td>28,976</td> <td>Kupfer</td> </tr> <tr> <td>20</td> <td>40,78</td> <td>Vanadium</td> <td>21</td> <td>29,076</td> <td>Zink</td> </tr> <tr> <td>21</td> <td>42,01</td> <td>Chrom</td> <td>22</td> <td>30,974</td> <td>Gallium</td> </tr> <tr> <td>22</td> <td>43,94</td> <td>Mangan</td> <td>23</td> <td>31,972</td> <td>Germanium</td> </tr> <tr> <td>23</td> <td>44,96</td> <td>Eisen</td> <td>24</td> <td>32,96</td> <td>Arsen</td> </tr> <tr> <td>24</td> <td>46,00</td> <td>Cobalt</td> <td>25</td> <td>33,95</td> <td>Selen</td> </tr> <tr> <td>25</td> <td>47,88</td> <td>Nickel</td> <td>26</td> <td>34,96</td> <td>Brom</td> </tr> <tr> <td>26</td> <td>48,94</td> <td>Kupfer</td> <td>27</td> <td>35,96</td> <td>Krypton</td> </tr> <tr> <td>27</td> <td>50,94</td> <td>Zink</td> <td>28</td> <td>36,96</td> <td>Rubidium</td> </tr> <tr> <td>28</td> <td>52,00</td> <td>Gallium</td> <td>29</td> <td>37,96</td> <td>Strontium</td> </tr> <tr> <td>29</td> <td>53,94</td> <td>Germanium</td> <td>30</td> <td>38,96</td> <td>Yttrium</td> </tr> <tr> <td>30</td> <td>54,94</td> <td>Arsen</td> <td>31</td> <td>39,96</td> <td>Zirkon</td> </tr> <tr> <td>31</td> <td>55,94</td> <td>Selen</td> <td>32</td> <td>40,96</td> <td>Niobium</td> </tr> <tr> <td>32</td> <td>56,94</td> <td>Brom</td> <td>33</td> <td>41,96</td> <td>Molybdän</td> </tr> <tr> <td>33</td> <td>57,95</td> <td>Krypton</td> <td>34</td> <td>42,96</td> <td>Technetium</td> </tr> <tr> <td>34</td> <td>58,93</td> <td>Rubidium</td> <td>35</td> <td>43,96</td> <td>Ruthenium</td> </tr> <tr> <td>35</td> <td>59,94</td> <td>Strontium</td> <td>36</td> <td>44,96</td> <td>Rhodium</td> </tr> <tr> <td>36</td> <td>60,93</td> <td>Yttrium</td> <td>37</td> <td>45,96</td> <td>Palladium</td> </tr> <tr> <td>37</td> <td>62,93</td> <td>Zirkon</td> <td>38</td> <td>46,96</td> <td>Silber</td> </tr> <tr> <td>38</td> <td>63,92</td> <td>Niobium</td> <td>39</td> <td>47,96</td> <td>Kadmium</td> </tr> <tr> <td>39</td> <td>64,92</td> <td>Molybdän</td> <td>40</td> <td>48,96</td> <td>Indium</td> </tr> <tr> <td>40</td> <td>65,93</td> <td>Technetium</td> <td>41</td> <td>49,96</td> <td>Zinn</td> </tr> <tr> <td>41</td> <td>67,93</td> <td>Ruthenium</td> <td>42</td> <td>50,94</td> <td>Antimon</td> </tr> <tr> <td>42</td> <td>68,93</td> <td>Rhodium</td> <td>43</td> <td>51,94</td> <td>Telegur</td> </tr> <tr> <td>43</td> <td>69,92</td> <td>Palladium</td> <td>44</td> <td>52,94</td> <td>Iod</td> </tr> <tr> <td>44</td> <td>71,92</td> <td>Silber</td> <td>45</td> <td>53,94</td> <td>Xenon</td> </tr> <tr> <td>45</td> <td>72,91</td> <td>Kadmium</td> <td>46</td> <td>54,94</td> <td>Cäsium</td> </tr> <tr> <td>46</td> <td>73,92</td> <td>Indium</td> <td>47</td> <td>55,94</td> <td>Baryum</td> </tr> <tr> <td>47</td> <td>74,92</td> <td>Zinn</td> <td>48</td> <td>56,94</td> <td>Lanthan</td> </tr> <tr> <td>48</td> <td>76,93</td> <td>Antimon</td> <td>49</td> <td>57,93</td> <td>Cerium</td> </tr> <tr> <td>49</td> <td>77,94</td> <td>Telegur</td> <td>50</td> <td>58,93</td> <td>Praseodym</td> </tr> <tr> <td>50</td> <td>78,94</td> <td>Iod</td> <td>51</td> <td>59,93</td> <td>Neodym</td> </tr> <tr> <td>51</td> <td>79,90</td> <td>Xenon</td> <td>52</td> <td>60,92</td> <td>Europium</td> </tr> <tr> <td>52</td> <td>80,91</td> <td>Cäsium</td> <td>53</td> <td>61,92</td> <td>Gadolinium</td> </tr> <tr> <td>53</td> <td>81,90</td> <td>Baryum</td> <td>54</td> <td>62,91</td> <td>Terbium</td> </tr> <tr> <td>54</td> <td>83,90</td> <td>Strontium</td> <td>55</td> <td>63,92</td> <td>Dysprosium</td> </tr> <tr> <td>55</td> <td>85,47</td> <td>Yttrium</td> <td>56</td> <td>64,93</td> <td>Ho</td> </tr> <tr> <td>56</td> <td>86,91</td> <td>Zirkon</td> <td>57</td> <td>65,93</td> <td>Er</td> </tr> <tr> <td>57</td> <td>88,91</td> <td>Niobium</td> <td>58</td> <td>66,93</td> <td>Tm</td> </tr> <tr> <td>58</td> <td>89,90</td> <td>Molybdän</td> <td>59</td> <td>67,93</td> <td>Yb</td> </tr> <tr> <td>59</td> <td>90,91</td> <td>Technetium</td> <td>60</td> <td>68,93</td> <td>Lu</td> </tr> <tr> <td>60</td> <td>91,90</td> <td>Ruthenium</td> <td>61</td> <td>69,92</td> <td>Actin</td> </tr> <tr> <td>61</td> <td>92,91</td> <td>Rhodium</td> <td>62</td> <td>70,92</td> <td>Th</td> </tr> <tr> <td>62</td> <td>93,91</td> <td>Palladium</td> <td>63</td> <td>71,92</td> <td>Pa</td> </tr> <tr> <td>63</td> <td>95,94</td> <td>Silber</td> <td>64</td> <td>72,91</td> <td>U</td> </tr> <tr> <td>64</td> <td>96,91</td> <td>Kadmium</td> <td>65</td> <td>73,92</td> <td>Np</td> </tr> <tr> <td>65</td> <td>97,91</td> <td>Indium</td> <td>66</td> <td>74,92</td> <td>Pu</td> </tr> <tr> <td>66</td> <td>98,91</td> <td>Zinn</td> <td>67</td> <td>75,92</td> <td>Am</td> </tr> <tr> <td>67</td> <td>100,91</td> <td>Antimon</td> <td>68</td> <td>76,92</td> <td>Cm</td> </tr> <tr> <td>68</td> <td>101,91</td> <td>Telegur</td> <td>69</td> <td>77,92</td> <td>Bk</td> </tr> <tr> <td>69</td> <td>102,91</td> <td>Iod</td> <td>70</td> <td>78,92</td> <td>Cf</td> </tr> <tr> <td>70</td> <td>104,91</td> <td>Xenon</td> <td>71</td> <td>79,92</td> <td>Es</td> </tr> <tr> <td>71</td> <td>106,91</td> <td>Cäsium</td> <td>72</td> <td>80,92</td> <td>Fm</td> </tr> <tr> <td>72</td> <td>108,91</td> <td>Baryum</td> <td>73</td> <td>81,92</td> <td>Md</td> </tr> <tr> <td>73</td> <td>110,91</td> <td>Strontium</td> <td>74</td> <td>82,92</td> <td>No</td> </tr> <tr> <td>74</td> <td>112,91</td> <td>Yttrium</td> <td>75</td> <td>83,92</td> <td>Lr</td> </tr> <tr> <td>75</td> <td>114,91</td> <td>Zirkon</td> <td>76</td> <td>84,92</td> <td></td> </tr> <tr> <td>76</td> <td>116,91</td> <td>Niobium</td> <td>77</td> <td>85,92</td> <td></td> </tr> <tr> <td>77</td> <td>118,91</td> <td>Molybdän</td> <td>78</td> <td>86,92</td> <td></td> </tr> <tr> <td>78</td> <td>120,91</td> <td>Technetium</td> <td>79</td> <td>87,92</td> <td></td> </tr> <tr> <td>79</td> <td>122,91</td> <td>Ruthenium</td> <td>80</td> <td>88,92</td> <td></td> </tr> <tr> <td>80</td> <td>124,91</td> <td>Rhodium</td> <td>81</td> <td>89,92</td> <td></td> </tr> <tr> <td>81</td> <td>126,91</td> <td>Palladium</td> <td>82</td> <td>90,92</td> <td></td> </tr> <tr> <td>82</td> <td>128,91</td> <td>Silber</td> <td>83</td> <td>91,92</td> <td></td> </tr> <tr> <td>83</td> <td>130,91</td> <td>Kadmium</td> <td>84</td> <td>92,92</td> <td></td> </tr> <tr> <td>84</td> <td>132,91</td> <td>Indium</td> <td>85</td> <td>93,92</td> <td></td> </tr> <tr> <td>85</td> <td>134,91</td> <td>Zinn</td> <td>86</td> <td>94,92</td> <td></td> </tr> <tr> <td>86</td> <td>136,91</td> <td>Antimon</td> <td>87</td> <td>95,92</td> <td></td> </tr> <tr> <td>87</td> <td>138,91</td> <td>Telegur</td> <td>88</td> <td>96,92</td> <td></td> </tr> <tr> <td>88</td> <td>140,91</td> <td>Iod</td> <td>89</td> <td>97,92</td> <td></td> </tr> <tr> <td>89</td> <td>142,91</td> <td>Xenon</td> <td>90</td> <td>98,92</td> <td></td> </tr> <tr> <td>90</td> <td>144,91</td> <td>Cäsium</td> <td>91</td> <td>99,92</td> <td></td> </tr> <tr> <td>91</td> <td>146,91</td> <td>Baryum</td> <td>92</td> <td>100,92</td> <td></td> </tr> <tr> <td>92</td> <td>148,91</td> <td>Strontium</td> <td>93</td> <td>101,92</td> <td></td> </tr> <tr> <td>93</td> <td>150,91</td> <td>Yttrium</td> <td>94</td> <td>102,92</td> <td></td> </tr> <tr> <td>94</td> <td>152,91</td> <td>Zirkon</td> <td>95</td> <td>103,92</td> <td></td> </tr> <tr> <td>95</td> <td>154,91</td> <td>Niobium</td> <td>96</td> <td>104,92</td> <td></td> </tr> <tr> <td>96</td> <td>156,91</td> <td>Molybdän</td> <td>97</td> <td>105,92</td> <td></td> </tr> <tr> <td>97</td> <td>158,91</td> <td>Technetium</td> <td>98</td> <td>106,92</td> <td></td> </tr> <tr> <td>98</td> <td>160,91</td> <td>Ruthenium</td> <td>99</td> <td>107,92</td> <td></td> </tr> <tr> <td>99</td> <td>162,91</td> <td>Rhodium</td> <td>100</td> <td>108,92</td> <td></td> </tr> <tr> <td>100</td> <td>164,91</td> <td>Palladium</td> <td>101</td> <td>109,92</td> <td></td> </tr> <tr> <td>101</td> <td>166,91</td> <td>Silber</td> <td>102</td> <td>110,92</td> <td></td> </tr> <tr> <td>102</td> <td>168,91</td> <td>Kadmium</td> <td>103</td> <td>111,92</td> <td></td> </tr> <tr> <td>103</td> <td>170,91</td> <td>Indium</td> <td>104</td> <td>112,92</td> <td></td> </tr> <tr> <td>104</td> <td>172,91</td> <td>Zinn</td> <td>105</td> <td>113,92</td> <td></td> </tr> <tr> <td>105</td> <td>174,91</td> <td>Antimon</td> <td>106</td> <td>114,92</td> <td></td> </tr> <tr> <td>106</td> <td>176,91</td> <td>Telegur</td> <td>107</td> <td>115,92</td> <td></td> </tr> <tr> <td>107</td> <td>178,91</td> <td>Iod</td> <td>108</td> <td>116,92</td> <td></td> </tr> <tr> <td>108</td> <td>180,91</td> <td>Xenon</td> <td>109</td> <td>117,92</td> <td></td> </tr> <tr> <td>109</td> <td>182,91</td> <td>Cäsium</td> <td>110</td> <td>118,92</td> <td></td> </tr> <tr> <td>110</td> <td>184,91</td> <td>Baryum</td> <td>111</td> <td>119,92</td> <td></td> </tr> <tr> <td>111</td> <td>186,91</td> <td>Strontium</td> <td>112</td> <td>120,92</td> <td></td> </tr> <tr> <td>112</td> <td>188,91</td> <td>Yttrium</td> <td>113</td> <td>121,92</td> <td></td> </tr> <tr> <td>113</td> <td>190,91</td> <td>Zirkon</td> <td>114</td> <td>122,92</td> <td></td> </tr> <tr> <td>114</td> <td>192,91</td> <td>Niobium</td> <td>115</td> <td>123,92</td> <td></td> </tr> <tr> <td>115</td> <td>194,91</td> <td>Molybdän</td> <td>116</td> <td>124,92</td> <td></td> </tr> <tr> <td>116</td> <td>196,91</td> <td>Technetium</td> <td>117</td> <td>125,92</td> <td></td> </tr> <tr> <td>117</td> <td>198,91</td> <td>Ruthenium</td> <td>118</td> <td>126,92</td> <td></td> </tr> <tr> <td>118</td> <td>200,91</td> <td>Rhodium</td> <td>119</td> <td>127,92</td> <td></td> </tr> <tr> <td>119</td>
<td>202,91</td> <td>Palladium</td> <td>120</td> <td>128,92</td> <td></td> </tr> <tr> <td>120</td> <td>204,91</td> <td>Silber</td> <td>121</td> <td>129,92</td> <td></td> </tr> <tr> <td>121</td> <td>206,91</td> <td>Kadmium</td> <td>122</td> <td>130,92</td> <td></td> </tr> <tr> <td>122</td> <td>208,91</td> <td>Indium</td> <td>123</td> <td>131,92</td> <td></td> </tr> <tr> <td>123</td> <td>210,91</td> <td>Zinn</td> <td>124</td> <td>132,92</td> <td></td> </tr> <tr> <td>124</td> <td>212,91</td> <td>Antimon</td> <td>125</td> <td>133,92</td> <td></td> </tr> <tr> <td>125</td> <td>214,91</td> <td>Telegur</td> <td>126</td> <td>134,92</td> <td></td> </tr> <tr> <td>126</td> <td>216,91</td> <td>Iod</td> <td>127</td> <td>135,92</td> <td></td> </tr> <tr> <td>127</td> <td>218,91</td> <td>Xenon</td> <td>128</td> <td>136,92</td> <td></td> </tr> <tr> <td>128</td> <td>220,91</td> <td>Cäsium</td> <td>129</td> <td>137,92</td> <td></td> </tr> <tr> <td>129</td> <td>222,91</td> <td>Baryum</td> <td>130</td> <td>138,92</td> <td></td> </tr> <tr> <td>130</td> <td>224,91</td> <td>Strontium</td> <td>131</td> <td>139,92</td> <td></td> </tr> <tr> <td>131</td> <td>226,91</td> <td>Yttrium</td> <td>132</td> <td>140,92</td> <td></td> </tr> <tr> <td>132</td> <td>228,91</td> <td>Zirkon</td> <td>133</td> <td>141,92</td> <td></td> </tr> <tr> <td>133</td> <td>230,91</td> <td>Niobium</td> <td>134</td> <td>142,92</td> <td></td> </tr> <tr> <td>134</td> <td>232,91</td> <td>Molybdän</td> <td>135</td> <td>143,92</td> <td></td> </tr> <tr> <td>135</td> <td>234,91</td> <td>Technetium</td> <td>136</td> <td>144,92</td> <td></td> </tr> <tr> <td>136</td> <td>236,91</td> <td>Ruthenium</td> <td>137</td> <td>145,92</td> <td></td> </tr> <tr> <td>137</td> <td>238,91</td> <td>Rhodium</td> <td>138</td> <td>146,92</td> <td></td> </tr> <tr> <td>138</td> <td>240,91</td> <td>Palladium</td> <td>139</td> <td>147,92</td> <td></td> </tr> <tr> <td>139</td> <td>242,91</td> <td>Silber</td> <td>140</td> <td>148,92</td> <td></td> </tr> <tr> <td>140</td> <td>244,91</td> <td>Kadmium</td> <td>141</td> <td>149,92</td> <td></td> </tr> <tr> <td>141</td> <td>246,91</td> <td>Indium</td> <td>142</td> <td>150,92</td> <td></td> </tr> <tr> <td>142</td> <td>248,91</td> <td>Zinn</td> <td>143</td> <td>151,92</td> <td></td> </tr> <tr> <td>143</td> <td>250,91</td> <td>Antimon</td> <td>144</td> <td>152,92</td> <td></td> </tr> <tr> <td>144</td> <td>252,91</td> <td>Telegur</td> <td>145</td> <td>153,92</td> <td></td> </tr> <tr> <td>145</td> <td>254,91</td> <td>Iod</td> <td>146</td> <td>154,92</td> <td></td> </tr> <tr> <td>146</td> <td>256,91</td> <td>Xenon</td> <td>147</td> <td>155,92</td> <td></td> </tr> <tr> <td>147</td> <td>258,91</td> <td>Cäsium</td> <td>148</td> <td>156,92</td> <td></td> </tr> <tr> <td>148</td> <td>260,91</td> <td>Baryum</td> <td>149</td> <td>157,92</td> <td></td> </tr> <tr> <td>149</td> <td>262,91</td> <td>Strontium</td> <td>150</td> <td>158,92</td> <td></td> </tr> <tr> <td>150</td> <td>264,91</td> <td>Yttrium</td> <td>151</td> <td>159,92</td> <td></td> </tr> <tr> <td>151</td> <td>266,91</td> <td>Zirkon</td> <td>152</td> <td>160,92</td> <td></td> </tr> <tr> <td>152</td> <td>268,91</td> <td>Niobium</td> <td>153</td> <td>161,92</td> <td></td> </tr> <tr> <td>153</td> <td>270,91</td> <td>Molybdän</td> <td>154</td> <td>162,92</td> <td></td> </tr> <tr> <td>154</td> <td>272,91</td> <td>Technetium</td> <td>155</td> <td>163,92</td> <td></td> </tr> <tr> <td>155</td> <td>274,91</td> <td>Ruthenium</td> <td>156</td> <td>164,92</td> <td></td> </tr> <tr> <td>156</td> <td>276,91</td> <td>Rhodium</td> <td>157</td> <td>165,92</td> <td></td> </tr> <tr> <td>157</td> <td>278,91</td> <td>Palladium</td> <td>158</td> <td>166,92</td> <td></td> </tr> <tr> <td>158</td> <td>280,91</td> <td>Silber</td> <td>159</td> <td>167,92</td> <td></td> </tr> <tr> <td>159</td> <td>282,91</td> <td>Kadmium</td> <td>160</td> <td>168,92</td> <td></td> </tr> <tr> <td>160</td> <td>284,91</td> <td>Indium</td> <td>161</td> <td>169,92</td> <td></td> </tr> <tr> <td>161</td> <td>286,91</td> <td>Zinn</td> <td>162</td> <td>170,92</td> <td></td> </tr> <tr> <td>162</td> <td>288,91</td> <td>Antimon</td> <td>163</td> <td>171,92</td> <td></td> </tr> <tr> <td>163</td> <td>290,91</td> <td>Telegur</td> <td>164</td> <td>172,92</td> <td></td> </tr> <tr> <td>164</td> <td>292,91</td> <td>Iod</td> <td>165</td> <td>173,92</td> <td></td> </tr> <tr> <td>165</td> <td>294,91</td> <td>Xenon</td> <td>166</td> <td>174,92</td> <td></td> </tr> <tr> <td>166</td> <td>296,91</td> <td>Cäsium</td> <td>167</td> <td>175,92</td> <td></td> </tr> <tr> <td>167</td> <td>298,91</td> <td>Baryum</td> <td>168</td> <td>176,92</td> <td></td> </tr> <tr> <td>168</td> <td>300,91</td> <td>Strontium</td> <td>169</td> <td>177,92</td> <td></td> </tr> <tr> <td>169</td> <td>302,91</td> <td>Yttrium</td> <td>170</td> <td>178,92</td> <td></td> </tr> <tr> <td>170</td> <td>304,91</td> <td>Zirkon</td> <td>171</td> <td>179,92</td> <td></td> </tr> <tr> <td>171</td> <td>306,91</td> <td>Niobium</td> <td>172</td> <td>180,92</td> <td></td> </tr> <tr> <td>172</td> <td>308,91</td> <td>Molybdän</td> <td>173</td> <td>181,92</td> <td></td> </tr> <tr> <td>173</td> <td>310,91</td> <td>Technetium</td> <td>174</td> <td>182,92</td> <td></td> </tr> <tr> <td>174</td> <td>312,91</td> <td>Ruthenium</td> <td>175</td> <td>183,92</td> <td></td> </tr> <tr> <td>175</td> <td>314,91</td> <td>Rhodium</td> <td>176</td> <td>184,92</td> <td></td> </tr> <tr> <td>176</td> <td>316,91</td> <td>Palladium</td> <td>177</td> <td>185,92</td> <td></td> </tr> <tr> <td>177</td> <td>318,91</td> <td>Silber</td> <td>178</td> <td>186,92</td> <td></td> </tr> <tr> <td>178</td> <td>320,91</td> <td>Kadmium</td> <td>179</td> <td>187,92</td> <td></td> </tr> <tr> <td>179</td> <td>322,91</td> <td>Indium</td> <td>180</td> <td>188,92</td> <td></td> </tr> <tr> <td>180</td> <td>324,91</td> <td>Zinn</td> <td>181</td> <td>189,92</td> <td></td> </tr> <tr> <td>181</td> <td>326,91</td> <td>Antimon</td> <td>182</td> <td>190,92</td> <td></td> </tr> <tr> <td>182</td> <td>328,91</td> <td>Telegur</td> <td>183</td> <td>191,92</td> <td></td> </tr> <tr> <td>183</td> <td>330,91</td> <td>Iod</td> <td>184</td> <td>192,92</td> <td></td> </tr> <tr> <td>184</td> <td>332,91</td> <td>Xenon</td> <td>185</td> <td>193,92</td> <td></td> </tr> <tr> <td>185</td> <td>334,91</td> <td>Cäsium</td> <td>186</td> <td>194,92</td> <td></td> </tr> <tr> <td>186</td> <td>336,91</td> <td>Baryum</td> <td>187</td> <td>195,92</td> <td></td> </tr> <tr> <td>187</td> <td>338,91</td> <td>Strontium</td> <td>188</td> <td>196,92</td> <td></td> </tr> <tr> <td>188</td> <td>340,91</td> <td>Yttrium</td> <td>189</td> <td>197,92</td> <td></td> </tr> <tr> <td>189</td> <td>342,91</td> <td>Zirkon</td> <td>190</td> <td>198,92</td> <td></td> </tr> <tr> <td>190</td> <td>344,91</td> <td>Niobium</td> <td>191</td> <td>199,92</td> <td></td> </tr> <tr> <td>191</td> <td>346,91</td> <td>Molybdän</td> <td>192</td> <td>200,92</td> <td></td> </tr> <tr> <td>192</td> <td>348,91</td> <td>Technetium</td> <td>193</td> <td>201,92</td> <td></td> </tr> <tr> <td>193</td> <td>350,91</td> <td>Ruthenium</td> <td>194</td> <td>202,92</td> <td></td> </tr> <tr> <td>194</td> <td>352,91</td> <td>Rhodium</td> <td>195</td> <td>203,92</td> <td></td> </tr> <tr> <td>195</td> <td>354,91</td> <td>Palladium</td> <td>196</td> <td>204,92</td> <td></td> </tr> <tr> <td>196</td> <td>356,91</td> <td>Silber</td> <td>197</td> <td>205,92</td> <td></td> </tr> <tr> <td>197</td> <td>358,91</td> <td>Kadmium</td> <td>198</td> <td>206,92</td> <td></td> </tr> <tr> <td>198</td> <td>360,91</td> <td>Indium</td> <td>199</td> <td>207,92</td> <td></td> </tr> <tr> <td>199</td> <td>362,91</td> <td>Zinn</td> <td>200</td> <td>208,92</td> <td></td> </tr> <tr> <td>200</td> <td>364,</td></tr></table> |             |   |       |        |   |       |         |   |       |           |   |        |         |   | 1      | 1,008 | Wasserstoff | 1      | 4,003     | Helium | 2      | 7,016       | Lithium | 3      | 9,012      | Beryllium | 3      | 12,011   | Natrium | 4      | 10,811 | Bor | 4      | 14,007   | Beryllium | 5      | 12,009 | Kohlenstoff | 5      | 16,005 | Sauerstoff | 6      | 14,007  | Silizium | 6      | 18,998 | Fluor | 7      | 15,999    | Schwefel | 7      | 20,180 | Neon | 8      | 16,993    | Chlor | 8      | 22,990  | Natrium | 9      | 17,999   | Argon | 9      | 24,305   | Magnesium | 10     | 18,998   | Kalium | 10     | 26,982   | Aluminium | 11     | 19,998   | Calcium | 11     | 28,086   | Silicium | 12    | 20,180 | Scandium | 12     | 29,076 | Phosphor | 13    | 21,009 | Titanium | 13     | 30,974 | Schwefel | 14    | 22,990 | Vanadium | 14     | 32,06 | Chlor | 15    | 23,957  | Chrom | 15     | 33,95  | Argon | 16    | 24,963   | Mangan | 16     | 35,45  | Kalium | 17    | 25,972   | Eisen | 17     | 36,96  | Calcium | 18    | 26,982   | Cobalt | 18     | 38,96 | Scandium | 19    | 27,977 | Nickel | 19     | 39,95   | Titanium | 20    | 28,976 | Kupfer | 20     | 40,78     | Vanadium | 21    | 29,076 | Zink | 21    | 42,01 | Chrom | 22    | 30,974 | Gallium | 22    | 43,94 | Mangan | 23    | 31,972 | Germanium | 23    | 44,96 | Eisen | 24    | 32,96  | Arsen | 24    | 46,00   | Cobalt | 25    | 33,95 | Selen | 25    | 47,88    | Nickel | 26    | 34,96   | Brom | 26    | 48,94     | Kupfer | 27    | 35,96     | Krypton | 27    | 50,94   | Zink | 28    | 36,96 | Rubidium | 28    | 52,00  | Gallium | 29    | 37,96 | Strontium | 29    | 53,94   | Germanium | 30    | 38,96 | Yttrium | 30    | 54,94    | Arsen | 31    | 39,96   | Zirkon | 31    | 55,94      | Selen | 32    | 40,96    | Niobium | 32    | 56,94     | Brom | 33    | 41,96     | Molybdän | 33    | 57,95   | Krypton | 34    | 42,96   | Technetium | 34    | 58,93     | Rubidium | 35    | 43,96  | Ruthenium | 35    | 59,94  | Strontium | 36    | 44,96   | Rhodium | 36    | 60,93   | Yttrium | 37    | 45,96    | Palladium | 37    | 62,93  | Zirkon | 38    | 46,96      | Silber | 38    |
63,92 | Niobium | 39    | 47,96     | Kadmium | 39    | 64,92   | Molybdän | 40    | 48,96   | Indium | 40    | 65,93   | Technetium | 41    | 49,96     | Zinn | 41    | 67,93 | Ruthenium | 42    | 50,94  | Antimon | 42    | 68,93 | Rhodium | 43    | 51,94   | Telegur | 43    | 69,92  | Palladium | 44    | 52,94  | Iod | 44    | 71,92  | Silber | 45    | 53,94 | Xenon | 45    | 72,91   | Kadmium | 46    | 54,94   | Cäsium | 46    | 73,92  | Indium | 47    | 55,94   | Baryum | 47    | 74,92     | Zinn | 48    | 56,94 | Lanthan | 48    | 76,93  | Antimon | 49    | 57,93 | Cerium | 49    | 77,94    | Telegur | 50    | 58,93  | Praseodym | 50    | 78,94      | Iod | 51    | 59,93  | Neodym | 51    | 79,90   | Xenon | 52    | 60,92     | Europium | 52    | 80,91      | Cäsium | 53    | 61,92   | Gadolinium | 53    | 81,90 | Baryum | 54    | 62,91  | Terbium | 54    | 83,90 | Strontium | 55    | 63,92   | Dysprosium | 55    | 85,47 | Yttrium | 56    | 64,93    | Ho | 56    | 86,91 | Zirkon | 57    | 65,93      | Er | 57    | 88,91 | Niobium | 58    | 66,93     | Tm | 58    | 89,90 | Molybdän | 59    | 67,93   | Yb | 59    | 90,91 | Technetium | 60    | 68,93     | Lu | 60    | 91,90 | Ruthenium | 61    | 69,92  | Actin | 61    | 92,91 | Rhodium | 62    | 70,92   | Th | 62    | 93,91 | Palladium | 63    | 71,92  | Pa | 63    | 95,94 | Silber | 64    | 72,91 | U  | 64    | 96,91 | Kadmium | 65     | 73,92   | Np | 65    | 97,91 | Indium | 66     | 74,92   | Pu | 66    | 98,91 | Zinn | 67     | 75,92 | Am | 67    | 100,91 | Antimon | 68     | 76,92 | Cm | 68    | 101,91 | Telegur | 69     | 77,92  | Bk | 69    | 102,91 | Iod | 70     | 78,92  | Cf | 70    | 104,91 | Xenon | 71     | 79,92     | Es | 71    | 106,91 | Cäsium | 72     | 80,92   | Fm | 72    | 108,91 | Baryum | 73     | 81,92  | Md | 73    | 110,91 | Strontium | 74     | 82,92   | No | 74    | 112,91 | Yttrium | 75     | 83,92    | Lr | 75    | 114,91 | Zirkon | 76     | 84,92      |    | 76    | 116,91 | Niobium | 77     | 85,92     |    | 77    | 118,91 | Molybdän | 78     | 86,92   |    | 78    | 120,91 | Technetium | 79     | 87,92     |    | 79    | 122,91 | Ruthenium | 80     | 88,92  |    | 80    | 124,91 | Rhodium | 81     | 89,92   |    | 81    | 126,91 | Palladium | 82     | 90,92  |    | 82    | 128,91 | Silber | 83     | 91,92 |    | 83    | 130,91 | Kadmium | 84     | 92,92   |    | 84    | 132,91 | Indium | 85     | 93,92   |    | 85    | 134,91 | Zinn | 86     | 94,92 |    | 86    | 136,91 | Antimon | 87     | 95,92 |    | 87    | 138,91 | Telegur | 88     | 96,92  |    | 88    | 140,91 | Iod | 89     | 97,92  |    | 89     | 142,91 | Xenon | 90     | 98,92     |    | 90     | 144,91 | Cäsium | 91     | 99,92   |    | 91     | 146,91 | Baryum | 92     | 100,92 |    | 92     | 148,91 | Strontium | 93     | 101,92  |    | 93     | 150,91 | Yttrium | 94     | 102,92   |    | 94     | 152,91 | Zirkon | 95     | 103,92     |    | 95     | 154,91 | Niobium | 96     | 104,92    |    | 96     | 156,91 | Molybdän | 97     | 105,92  |     | 97     | 158,91 | Technetium | 98     | 106,92    |     | 98     | 160,91 | Ruthenium | 99     | 107,92 |     | 99     | 162,91 | Rhodium | 100    | 108,92  |     | 100    | 164,91 | Palladium | 101    | 109,92 |     | 101    | 166,91 | Silber | 102    | 110,92 |     | 102    | 168,91 | Kadmium | 103    | 111,92  |     | 103    | 170,91 | Indium | 104    | 112,92  |     | 104    | 172,91 | Zinn | 105    | 113,92 |     | 105    | 174,91 | Antimon | 106    | 114,92 |     | 106    | 176,91 | Telegur | 107    | 115,92 |     | 107    | 178,91 | Iod | 108    | 116,92 |     | 108    | 180,91 | Xenon | 109    | 117,92    |     | 109    | 182,91 | Cäsium | 110    | 118,92  |     | 110    | 184,91 | Baryum | 111    | 119,92 |     | 111    | 186,91 | Strontium | 112    | 120,92  |     | 112    | 188,91 | Yttrium | 113    | 121,92   |     | 113    | 190,91 | Zirkon | 114    | 122,92     |     | 114    | 192,91 | Niobium | 115    | 123,92    |     | 115    | 194,91 | Molybdän | 116    | 124,92  |     | 116    | 196,91 | Technetium | 117    | 125,92    |     | 117    | 198,91 | Ruthenium | 118    | 126,92 |     | 118    | 200,91 | Rhodium | 119    | 127,92  |     | 119    | 202,91 | Palladium | 120    | 128,92 |     | 120    | 204,91 | Silber | 121    | 129,92 |     | 121    | 206,91 | Kadmium | 122    | 130,92  |     | 122    | 208,91 | Indium | 123    | 131,92  |     | 123    | 210,91 | Zinn | 124    | 132,92 |     | 124    | 212,91 | Antimon | 125    | 133,92 |     | 125    | 214,91 | Telegur | 126    | 134,92 |     | 126    | 216,91 | Iod | 127    | 135,92 |     | 127    | 218,91 | Xenon | 128    | 136,92    |     | 128    | 220,91 | Cäsium | 129    | 137,92  |     | 129    | 222,91 | Baryum | 130    | 138,92 |     | 130    | 224,91 | Strontium | 131    | 139,92  |     | 131    | 226,91 | Yttrium | 132    | 140,92   |     | 132    | 228,91 | Zirkon | 133    | 141,92     |     | 133    | 230,91 | Niobium | 134    | 142,92    |     | 134    | 232,91 | Molybdän | 135    | 143,92  |     | 135    | 234,91 | Technetium | 136    | 144,92    |     | 136    | 236,91 | Ruthenium | 137    | 145,92 |     | 137    | 238,91 | Rhodium | 138    | 146,92  |     | 138    | 240,91 | Palladium | 139    | 147,92 |     | 139    | 242,91 | Silber | 140    | 148,92 |     | 140    | 244,91 | Kadmium | 141    | 149,92  |     | 141    | 246,91 | Indium | 142    | 150,92  |     | 142    | 248,91 | Zinn | 143    | 151,92 |     | 143    | 250,91 | Antimon | 144    | 152,92 |     | 144    | 252,91 | Telegur | 145    | 153,92 |     | 145    | 254,91 | Iod | 146    | 154,92 |     | 146    | 256,91 | Xenon | 147    | 155,92    |     | 147    | 258,91 | Cäsium | 148    | 156,92  |     | 148    | 260,91 | Baryum | 149    | 157,92 |     | 149    | 262,91 | Strontium | 150    | 158,92  |     | 150    | 264,91 | Yttrium | 151    | 159,92   |     | 151    | 266,91 | Zirkon | 152    | 160,92     |     | 152    | 268,91 | Niobium | 153    | 161,92    |     | 153    | 270,91 | Molybdän | 154    | 162,92  |     | 154    | 272,91 | Technetium | 155    | 163,92    |     | 155    | 274,91 | Ruthenium | 156    | 164,92 |     | 156    | 276,91 | Rhodium | 157    | 165,92  |     | 157    | 278,91 | Palladium | 158    | 166,92 |     | 158    | 280,91 | Silber | 159    | 167,92 |     | 159    | 282,91 | Kadmium | 160    | 168,92  |     | 160    | 284,91 | Indium | 161    | 169,92  |     | 161    | 286,91 | Zinn | 162    | 170,92 |     | 162    | 288,91 | Antimon | 163    | 171,92 |     | 163    | 290,91 | Telegur | 164    | 172,92 |     | 164    | 292,91 | Iod | 165    | 173,92 |     | 165    | 294,91 | Xenon | 166    | 174,92    |     | 166    | 296,91 | Cäsium | 167    | 175,92  |     | 167    | 298,91 | Baryum | 168    | 176,92 |     | 168    | 300,91 | Strontium | 169    | 177,92  |     | 169    | 302,91 | Yttrium | 170    | 178,92   |     | 170    | 304,91 | Zirkon | 171    | 179,92     |     | 171    | 306,91 | Niobium | 172    | 180,92    |     | 172    | 308,91 | Molybdän | 173    | 181,92  |     | 173    | 310,91 | Technetium | 174    | 182,92    |     | 174    | 312,91 | Ruthenium | 175    | 183,92 |     | 175    | 314,91 | Rhodium | 176    | 184,92  |     | 176    | 316,91 | Palladium | 177    | 185,92 |     | 177    | 318,91 | Silber | 178    | 186,92 |     | 178    | 320,91 | Kadmium | 179    | 187,92  |     | 179    | 322,91 | Indium | 180    | 188,92  |     | 180    | 324,91 | Zinn | 181    | 189,92 |     | 181    | 326,91 | Antimon | 182    | 190,92 |     | 182    | 328,91 | Telegur | 183    | 191,92 |     | 183    | 330,91 | Iod | 184    | 192,92 |     | 184    | 332,91 | Xenon | 185    | 193,92    |     | 185    | 334,91 | Cäsium | 186    | 194,92  |     | 186    | 336,91 | Baryum | 187    | 195,92 |     | 187    | 338,91 | Strontium | 188    | 196,92  |     | 188    | 340,91 | Yttrium | 189    | 197,92   |     | 189    | 342,91 | Zirkon | 190    | 198,92     |     | 190    | 344,91 | Niobium | 191    | 199,92    |     | 191    | 346,91 | Molybdän | 192    | 200,92  |     | 192    | 348,91 | Technetium | 193    | 201,92    |     | 193    | 350,91 | Ruthenium | 194    | 202,92 |     | 194    | 352,91 | Rhodium | 195    | 203,92  |     | 195    | 354,91 | Palladium | 196    | 204,92 |     | 196    | 356,91 | Silber | 197    | 205,92 |     | 197    | 358,91 | Kadmium | 198  | 206,92 |  | 198 | 360,91 | Indium | 199 | 207,92 |  | 199 | 362,91 | Zinn | 200 | 208,92 |  | 200 | 364, |
| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <table border="1"> <tr> <td>1</td> <td>1,008</td> <td>Wasserstoff</td> <td>1</td> <td>4,003</td> <td>Helium</td> </tr> <tr> <td>2</td> <td>7,016</td> <td>Lithium</td> <td>3</td> <td>9,012</td> <td>Beryllium</td> </tr> <tr> <td>3</td> <td>12,011</td> <td>Natrium</td> <td>4</td> <td>10,811</td> <td>Bor</td> </tr> <tr> <td>4</td> <td>14,007</td> <td>Beryllium</td> <td>5</td> <td>12,009</td> <td>Kohlenstoff</td> </tr> <tr> <td>5</td> <td>16,005</td> <td>Sauerstoff</td> <td>6</td> <td>14,007</td> <td>Silizium</td> </tr> <tr> <td>6</td> <td>18,998</td> <td>Fluor</td> <td>7</td> <td>15,999</td> <td>Schwefel</td> </tr> <tr> <td>7</td> <td>20,180</td> <td>Neon</td> <td>8</td> <td>16,993</td> <td>Chlor</td> </tr> <tr>
<td>8</td> <td>22,990</td> <td>Natrium</td> <td>9</td> <td>17,999</td> <td>Argon</td> </tr> <tr> <td>9</td> <td>24,305</td> <td>Magnesium</td> <td>10</td> <td>18,998</td> <td>Kalium</td> </tr> <tr> <td>10</td> <td>26,982</td> <td>Aluminium</td> <td>11</td> <td>19,998</td> <td>Calcium</td> </tr> <tr> <td>11</td> <td>28,086</td> <td>Silicium</td> <td>12</td> <td>20,180</td> <td>Scandium</td> </tr> <tr> <td>12</td> <td>29,076</td> <td>Phosphor</td> <td>13</td> <td>21,009</td> <td>Titanium</td> </tr> <tr> <td>13</td> <td>30,974</td> <td>Schwefel</td> <td>14</td> <td>22,990</td> <td>Vanadium</td> </tr> <tr> <td>14</td> <td>32,06</td> <td>Chlor</td> <td>15</td> <td>23,957</td> <td>Chrom</td> </tr> <tr> <td>15</td> <td>33,95</td> <td>Argon</td> <td>16</td> <td>24,963</td> <td>Mangan</td> </tr> <tr> <td>16</td> <td>35,45</td> <td>Kalium</td> <td>17</td> <td>25,972</td> <td>Eisen</td> </tr> <tr> <td>17</td> <td>36,96</td> <td>Calcium</td> <td>18</td> <td>26,982</td> <td>Cobalt</td> </tr> <tr> <td>18</td> <td>38,96</td> <td>Scandium</td> <td>19</td> <td>27,977</td> <td>Nickel</td> </tr> <tr> <td>19</td> <td>39,95</td> <td>Titanium</td> <td>20</td> <td>28,976</td> <td>Kupfer</td> </tr> <tr> <td>20</td> <td>40,78</td> <td>Vanadium</td> <td>21</td> <td>29,076</td> <td>Zink</td> </tr> <tr> <td>21</td> <td>42,01</td> <td>Chrom</td> <td>22</td> <td>30,974</td> <td>Gallium</td> </tr> <tr> <td>22</td> <td>43,94</td> <td>Mangan</td> <td>23</td> <td>31,972</td> <td>Germanium</td> </tr> <tr> <td>23</td> <td>44,96</td> <td>Eisen</td> <td>24</td> <td>32,96</td> <td>Arsen</td> </tr> <tr> <td>24</td> <td>46,00</td> <td>Cobalt</td> <td>25</td> <td>33,95</td> <td>Selen</td> </tr> <tr> <td>25</td> <td>47,88</td> <td>Nickel</td> <td>26</td> <td>34,96</td> <td>Brom</td> </tr> <tr> <td>26</td> <td>48,94</td> <td>Kupfer</td> <td>27</td> <td>35,96</td> <td>Krypton</td> </tr> <tr> <td>27</td> <td>50,94</td> <td>Zink</td> <td>28</td> <td>36,96</td> <td>Rubidium</td> </tr> <tr> <td>28</td> <td>52,00</td> <td>Gallium</td> <td>29</td> <td>37,96</td> <td>Strontium</td> </tr> <tr> <td>29</td> <td>53,94</td> <td>Germanium</td> <td>30</td> <td>38,96</td> <td>Yttrium</td> </tr> <tr> <td>30</td> <td>54,94</td> <td>Arsen</td> <td>31</td> <td>39,96</td> <td>Zirkon</td> </tr> <tr> <td>31</td> <td>55,94</td> <td>Selen</td> <td>32</td> <td>40,96</td> <td>Niobium</td> </tr> <tr> <td>32</td> <td>56,94</td> <td>Brom</td> <td>33</td> <td>41,96</td> <td>Molybdän</td> </tr> <tr> <td>33</td> <td>57,95</td> <td>Krypton</td> <td>34</td> <td>42,96</td> <td>Technetium</td> </tr> <tr> <td>34</td> <td>58,93</td> <td>Rubidium</td> <td>35</td> <td>43,96</td> <td>Ruthenium</td> </tr> <tr> <td>35</td> <td>59,94</td> <td>Strontium</td> <td>36</td> <td>44,96</td> <td>Rhodium</td> </tr> <tr> <td>36</td> <td>60,93</td> <td>Yttrium</td> <td>37</td> <td>45,96</td> <td>Palladium</td> </tr> <tr> <td>37</td> <td>62,93</td> <td>Zirkon</td> <td>38</td> <td>46,96</td> <td>Silber</td> </tr> <tr> <td>38</td> <td>63,92</td> <td>Niobium</td> <td>39</td> <td>47,96</td> <td>Kadmium</td> </tr> <tr> <td>39</td> <td>64,92</td> <td>Molybdän</td> <td>40</td> <td>48,96</td> <td>Indium</td> </tr> <tr> <td>40</td> <td>65,93</td> <td>Technetium</td> <td>41</td> <td>49,96</td> <td>Zinn</td> </tr> <tr> <td>41</td> <td>67,93</td> <td>Ruthenium</td> <td>42</td> <td>50,94</td> <td>Antimon</td> </tr> <tr> <td>42</td> <td>68,93</td> <td>Rhodium</td> <td>43</td> <td>51,94</td> <td>Telegur</td> </tr> <tr> <td>43</td> <td>69,92</td> <td>Palladium</td> <td>44</td> <td>52,94</td> <td>Iod</td> </tr> <tr> <td>44</td> <td>71,92</td> <td>Silber</td> <td>45</td> <td>53,94</td> <td>Xenon</td> </tr> <tr> <td>45</td> <td>72,91</td> <td>Kadmium</td> <td>46</td> <td>54,94</td> <td>Cäsium</td> </tr> <tr> <td>46</td> <td>73,92</td> <td>Indium</td> <td>47</td> <td>55,94</td> <td>Baryum</td> </tr> <tr> <td>47</td> <td>74,92</td> <td>Zinn</td> <td>48</td> <td>56,94</td> <td>Lanthan</td> </tr> <tr> <td>48</td> <td>76,93</td> <td>Antimon</td> <td>49</td> <td>57,93</td> <td>Cerium</td> </tr> <tr> <td>49</td> <td>77,94</td> <td>Telegur</td> <td>50</td> <td>58,93</td> <td>Praseodym</td> </tr> <tr> <td>50</td> <td>78,94</td> <td>Iod</td> <td>51</td> <td>59,93</td> <td>Neodym</td> </tr> <tr> <td>51</td> <td>79,90</td> <td>Xenon</td> <td>52</td> <td>60,92</td> <td>Europium</td> </tr> <tr> <td>52</td> <td>80,91</td> <td>Cäsium</td> <td>53</td> <td>61,92</td> <td>Gadolinium</td> </tr> <tr> <td>53</td> <td>81,90</td> <td>Baryum</td> <td>54</td> <td>62,91</td> <td>Terbium</td> </tr> <tr> <td>54</td> <td>83,90</td> <td>Strontium</td> <td>55</td> <td>63,92</td> <td>Dysprosium</td> </tr> <tr> <td>55</td> <td>85,47</td> <td>Yttrium</td> <td>56</td> <td>64,93</td> <td>Ho</td> </tr> <tr> <td>56</td> <td>86,91</td> <td>Zirkon</td> <td>57</td> <td>65,93</td> <td>Er</td> </tr> <tr> <td>57</td> <td>88,91</td> <td>Niobium</td> <td>58</td> <td>66,93</td> <td>Tm</td> </tr> <tr> <td>58</td> <td>89,90</td> <td>Molybdän</td> <td>59</td> <td>67,93</td> <td>Yb</td> </tr> <tr> <td>59</td> <td>90,91</td> <td>Technetium</td> <td>60</td> <td>68,93</td> <td>Lu</td> </tr> <tr> <td>60</td> <td>91,90</td> <td>Ruthenium</td> <td>61</td> <td>69,92</td> <td>Actin</td> </tr> <tr> <td>61</td> <td>92,91</td> <td>Rhodium</td> <td>62</td> <td>70,92</td> <td>Th</td> </tr> <tr> <td>62</td> <td>93,91</td> <td>Palladium</td> <td>63</td> <td>71,92</td> <td>Pa</td> </tr> <tr> <td>63</td> <td>95,94</td> <td>Silber</td> <td>64</td> <td>72,91</td> <td>U</td> </tr> <tr> <td>64</td> <td>96,91</td> <td>Kadmium</td> <td>65</td> <td>73,92</td> <td>Np</td> </tr> <tr> <td>65</td> <td>97,91</td> <td>Indium</td> <td>66</td> <td>74,92</td> <td>Pu</td> </tr> <tr> <td>66</td> <td>98,91</td> <td>Zinn</td> <td>67</td> <td>75,92</td> <td>Am</td> </tr> <tr> <td>67</td> <td>100,91</td> <td>Antimon</td> <td>68</td> <td>76,92</td> <td>Cm</td> </tr> <tr> <td>68</td> <td>101,91</td> <td>Telegur</td> <td>69</td> <td>77,92</td> <td>Bk</td> </tr> <tr> <td>69</td> <td>102,91</td> <td>Iod</td> <td>70</td> <td>78,92</td> <td>Cf</td> </tr> <tr> <td>70</td> <td>104,91</td> <td>Xenon</td> <td>71</td> <td>79,92</td> <td>Es</td> </tr> <tr> <td>71</td> <td>106,91</td> <td>Cäsium</td> <td>72</td> <td>80,92</td> <td>Fm</td> </tr> <tr> <td>72</td> <td>108,91</td> <td>Baryum</td> <td>73</td> <td>81,92</td> <td>Md</td> </tr> <tr> <td>73</td> <td>110,91</td> <td>Strontium</td> <td>74</td> <td>82,92</td> <td>No</td> </tr> <tr> <td>74</td> <td>112,91</td> <td>Yttrium</td> <td>75</td> <td>83,92</td> <td>Lr</td> </tr> <tr> <td>75</td> <td>114,91</td> <td>Zirkon</td> <td>76</td> <td>84,92</td> <td></td> </tr> <tr> <td>76</td> <td>116,91</td> <td>Niobium</td> <td>77</td> <td>85,92</td> <td></td> </tr> <tr> <td>77</td> <td>118,91</td> <td>Molybdän</td> <td>78</td> <td>86,92</td> <td></td> </tr> <tr> <td>78</td> <td>120,91</td> <td>Technetium</td> <td>79</td> <td>87,92</td> <td></td> </tr> <tr> <td>79</td> <td>122,91</td> <td>Ruthenium</td> <td>80</td> <td>88,92</td> <td></td> </tr> <tr> <td>80</td> <td>124,91</td> <td>Rhodium</td> <td>81</td> <td>89,92</td> <td></td> </tr> <tr> <td>81</td> <td>126,91</td> <td>Palladium</td> <td>82</td> <td>90,92</td> <td></td> </tr> <tr> <td>82</td> <td>128,91</td> <td>Silber</td> <td>83</td> <td>91,92</td> <td></td> </tr> <tr> <td>83</td> <td>130,91</td> <td>Kadmium</td> <td>84</td> <td>92,92</td> <td></td> </tr> <tr> <td>84</td> <td>132,91</td> <td>Indium</td> <td>85</td> <td>93,92</td> <td></td> </tr> <tr> <td>85</td> <td>134,91</td> <td>Zinn</td> <td>86</td> <td>94,92</td> <td></td> </tr> <tr> <td>86</td> <td>136,91</td> <td>Antimon</td> <td>87</td> <td>95,92</td> <td></td> </tr> <tr> <td>87</td> <td>138,91</td> <td>Telegur</td> <td>88</td> <td>96,92</td> <td></td> </tr> <tr> <td>88</td> <td>140,91</td> <td>Iod</td> <td>89</td> <td>97,92</td> <td></td> </tr> <tr> <td>89</td> <td>142,91</td> <td>Xenon</td> <td>90</td> <td>98,92</td> <td></td> </tr> <tr> <td>90</td> <td>144,91</td> <td>Cäsium</td> <td>91</td> <td>99,92</td> <td></td> </tr> <tr> <td>91</td> <td>146,91</td> <td>Baryum</td> <td>92</td> <td>100,92</td> <td></td> </tr> <tr> <td>92</td> <td>148,91</td> <td>Strontium</td> <td>93</td> <td>101,92</td> <td></td> </tr> <tr> <td>93</td> <td>150,91</td> <td>Yttrium</td> <td>94</td> <td>102,92</td> <td></td> </tr> <tr> <td>94</td> <td>152,91</td> <td>Zirkon</td> <td>95</td> <td>103,92</td> <td></td> </tr> <tr> <td>95</td> <td>154,91</td> <td>Niobium</td> <td>96</td> <td>104,92</td> <td></td> </tr> <tr> <td>96</td> <td>156,91</td> <td>Molybdän</td> <td>97</td> <td>105,92</td> <td></td> </tr> <tr> <td>97</td> <td>158,91</td> <td>Technetium</td> <td>98</td> <td>106,92</td> <td></td> </tr> <tr> <td>98</td> <td>160,91</td> <td>Ruthenium</td> <td>99</td> <td>107,92</td> <td></td> </tr> <tr> <td>99</td> <td>162,91</td> <td>Rhodium</td> <td>100</td> <td>108,92</td> <td></td> </tr> <tr> <td>100</td> <td>164,91</td> <td>Palladium</td> <td>101</td> <td>109,92</td> <td></td> </tr> <tr> <td>101</td> <td>166,91</td> <td>Silber</td> <td>102</td> <td>110,92</td> <td></td> </tr> <tr> <td>102</td> <td>168,91</td> <td>Kadmium</td> <td>103</td> <td>111,92</td> <td></td> </tr> <tr> <td>103</td> <td>170,91</td> <td>Indium</td> <td>104</td> <td>112,92</td> <td></td> </tr> <tr> <td>104</td> <td>172,91</td> <td>Zinn</td> <td>105</td> <td>113,92</td> <td></td> </tr> <tr> <td>105</td> <td>174,91</td> <td>Antimon</td> <td>106</td> <td>114,92</td> <td></td> </tr> <tr> <td>106</td> <td>176,91</td> <td>Telegur</td> <td>107</td> <td>115,92</td> <td></td> </tr> <tr> <td>107</td> <td>178,91</td> <td>Iod</td> <td>108</td> <td>116,92</td> <td></td> </tr> <tr> <td>108</td> <td>180,91</td> <td>Xenon</td> <td>109</td> <td>117,92</td> <td></td> </tr> <tr> <td>109</td> <td>182,91</td> <td>Cäsium</td> <td>110</td> <td>118,92</td> <td></td> </tr> <tr> <td>110</td> <td>184,91</td> <td>Baryum</td> <td>111</td> <td>119,92</td> <td></td> </tr> <tr> <td>111</td> <td>186,91</td> <td>Strontium</td> <td>112</td> <td>120,92</td>
<td></td> </tr> <tr> <td>112</td> <td>188,91</td> <td>Yttrium</td> <td>113</td> <td>121,92</td> <td></td> </tr> <tr> <td>113</td> <td>190,91</td> <td>Zirkon</td> <td>114</td> <td>122,92</td> <td></td> </tr> <tr> <td>114</td> <td>192,91</td> <td>Niobium</td> <td>115</td> <td>123,92</td> <td></td> </tr> <tr> <td>115</td> <td>194,91</td> <td>Molybdän</td> <td>116</td> <td>124,92</td> <td></td> </tr> <tr> <td>116</td> <td>196,91</td> <td>Technetium</td> <td>117</td> <td>125,92</td> <td></td> </tr> <tr> <td>117</td> <td>198,91</td> <td>Ruthenium</td> <td>118</td> <td>126,92</td> <td></td> </tr> <tr> <td>118</td> <td>200,91</td> <td>Rhodium</td> <td>119</td> <td>127,92</td> <td></td> </tr> <tr> <td>119</td> <td>202,91</td> <td>Palladium</td> <td>120</td> <td>128,92</td> <td></td> </tr> <tr> <td>120</td> <td>204,91</td> <td>Silber</td> <td>121</td> <td>129,92</td> <td></td> </tr> <tr> <td>121</td> <td>206,91</td> <td>Kadmium</td> <td>122</td> <td>130,92</td> <td></td> </tr> <tr> <td>122</td> <td>208,91</td> <td>Indium</td> <td>123</td> <td>131,92</td> <td></td> </tr> <tr> <td>123</td> <td>210,91</td> <td>Zinn</td> <td>124</td> <td>132,92</td> <td></td> </tr> <tr> <td>124</td> <td>212,91</td> <td>Antimon</td> <td>125</td> <td>133,92</td> <td></td> </tr> <tr> <td>125</td> <td>214,91</td> <td>Telegur</td> <td>126</td> <td>134,92</td> <td></td> </tr> <tr> <td>126</td> <td>216,91</td> <td>Iod</td> <td>127</td> <td>135,92</td> <td></td> </tr> <tr> <td>127</td> <td>218,91</td> <td>Xenon</td> <td>128</td> <td>136,92</td> <td></td> </tr> <tr> <td>128</td> <td>220,91</td> <td>Cäsium</td> <td>129</td> <td>137,92</td> <td></td> </tr> <tr> <td>129</td> <td>222,91</td> <td>Baryum</td> <td>130</td> <td>138,92</td> <td></td> </tr> <tr> <td>130</td> <td>224,91</td> <td>Strontium</td> <td>131</td> <td>139,92</td> <td></td> </tr> <tr> <td>131</td> <td>226,91</td> <td>Yttrium</td> <td>132</td> <td>140,92</td> <td></td> </tr> <tr> <td>132</td> <td>228,91</td> <td>Zirkon</td> <td>133</td> <td>141,92</td> <td></td> </tr> <tr> <td>133</td> <td>230,91</td> <td>Niobium</td> <td>134</td> <td>142,92</td> <td></td> </tr> <tr> <td>134</td> <td>232,91</td> <td>Molybdän</td> <td>135</td> <td>143,92</td> <td></td> </tr> <tr> <td>135</td> <td>234,91</td> <td>Technetium</td> <td>136</td> <td>144,92</td> <td></td> </tr> <tr> <td>136</td> <td>236,91</td> <td>Ruthenium</td> <td>137</td> <td>145,92</td> <td></td> </tr> <tr> <td>137</td> <td>238,91</td> <td>Rhodium</td> <td>138</td> <td>146,92</td> <td></td> </tr> <tr> <td>138</td> <td>240,91</td> <td>Palladium</td> <td>139</td> <td>147,92</td> <td></td> </tr> <tr> <td>139</td> <td>242,91</td> <td>Silber</td> <td>140</td> <td>148,92</td> <td></td> </tr> <tr> <td>140</td> <td>244,91</td> <td>Kadmium</td> <td>141</td> <td>149,92</td> <td></td> </tr> <tr> <td>141</td> <td>246,91</td> <td>Indium</td> <td>142</td> <td>150,92</td> <td></td> </tr> <tr> <td>142</td> <td>248,91</td> <td>Zinn</td> <td>143</td> <td>151,92</td> <td></td> </tr> <tr> <td>143</td> <td>250,91</td> <td>Antimon</td> <td>144</td> <td>152,92</td> <td></td> </tr> <tr> <td>144</td> <td>252,91</td> <td>Telegur</td> <td>145</td> <td>153,92</td> <td></td> </tr> <tr> <td>145</td> <td>254,91</td> <td>Iod</td> <td>146</td> <td>154,92</td> <td></td> </tr> <tr> <td>146</td> <td>256,91</td> <td>Xenon</td> <td>147</td> <td>155,92</td> <td></td> </tr> <tr> <td>147</td> <td>258,91</td> <td>Cäsium</td> <td>148</td> <td>156,92</td> <td></td> </tr> <tr> <td>148</td> <td>260,91</td> <td>Baryum</td> <td>149</td> <td>157,92</td> <td></td> </tr> <tr> <td>149</td> <td>262,91</td> <td>Strontium</td> <td>150</td> <td>158,92</td> <td></td> </tr> <tr> <td>150</td> <td>264,91</td> <td>Yttrium</td> <td>151</td> <td>159,92</td> <td></td> </tr> <tr> <td>151</td> <td>266,91</td> <td>Zirkon</td> <td>152</td> <td>160,92</td> <td></td> </tr> <tr> <td>152</td> <td>268,91</td> <td>Niobium</td> <td>153</td> <td>161,92</td> <td></td> </tr> <tr> <td>153</td> <td>270,91</td> <td>Molybdän</td> <td>154</td> <td>162,92</td> <td></td> </tr> <tr> <td>154</td> <td>272,91</td> <td>Technetium</td> <td>155</td> <td>163,92</td> <td></td> </tr> <tr> <td>155</td> <td>274,91</td> <td>Ruthenium</td> <td>156</td> <td>164,92</td> <td></td> </tr> <tr> <td>156</td> <td>276,91</td> <td>Rhodium</td> <td>157</td> <td>165,92</td> <td></td> </tr> <tr> <td>157</td> <td>278,91</td> <td>Palladium</td> <td>158</td> <td>166,92</td> <td></td> </tr> <tr> <td>158</td> <td>280,91</td> <td>Silber</td> <td>159</td> <td>167,92</td> <td></td> </tr> <tr> <td>159</td> <td>282,91</td> <td>Kadmium</td> <td>160</td> <td>168,92</td> <td></td> </tr> <tr> <td>160</td> <td>284,91</td> <td>Indium</td> <td>161</td> <td>169,92</td> <td></td> </tr> <tr> <td>161</td> <td>286,91</td> <td>Zinn</td> <td>162</td> <td>170,92</td> <td></td> </tr> <tr> <td>162</td> <td>288,91</td> <td>Antimon</td> <td>163</td> <td>171,92</td> <td></td> </tr> <tr> <td>163</td> <td>290,91</td> <td>Telegur</td> <td>164</td> <td>172,92</td> <td></td> </tr> <tr> <td>164</td> <td>292,91</td> <td>Iod</td> <td>165</td> <td>173,92</td> <td></td> </tr> <tr> <td>165</td> <td>294,91</td> <td>Xenon</td> <td>166</td> <td>174,92</td> <td></td> </tr> <tr> <td>166</td> <td>296,91</td> <td>Cäsium</td> <td>167</td> <td>175,92</td> <td></td> </tr> <tr> <td>167</td> <td>298,91</td> <td>Baryum</td> <td>168</td> <td>176,92</td> <td></td> </tr> <tr> <td>168</td> <td>300,91</td> <td>Strontium</td> <td>169</td> <td>177,92</td> <td></td> </tr> <tr> <td>169</td> <td>302,91</td> <td>Yttrium</td> <td>170</td> <td>178,92</td> <td></td> </tr> <tr> <td>170</td> <td>304,91</td> <td>Zirkon</td> <td>171</td> <td>179,92</td> <td></td> </tr> <tr> <td>171</td> <td>306,91</td> <td>Niobium</td> <td>172</td> <td>180,92</td> <td></td> </tr> <tr> <td>172</td> <td>308,91</td> <td>Molybdän</td> <td>173</td> <td>181,92</td> <td></td> </tr> <tr> <td>173</td> <td>310,91</td> <td>Technetium</td> <td>174</td> <td>182,92</td> <td></td> </tr> <tr> <td>174</td> <td>312,91</td> <td>Ruthenium</td> <td>175</td> <td>183,92</td> <td></td> </tr> <tr> <td>175</td> <td>314,91</td> <td>Rhodium</td> <td>176</td> <td>184,92</td> <td></td> </tr> <tr> <td>176</td> <td>316,91</td> <td>Palladium</td> <td>177</td> <td>185,92</td> <td></td> </tr> <tr> <td>177</td> <td>318,91</td> <td>Silber</td> <td>178</td> <td>186,92</td> <td></td> </tr> <tr> <td>178</td> <td>320,91</td> <td>Kadmium</td> <td>179</td> <td>187,92</td> <td></td> </tr> <tr> <td>179</td> <td>322,91</td> <td>Indium</td> <td>180</td> <td>188,92</td> <td></td> </tr> <tr> <td>180</td> <td>324,91</td> <td>Zinn</td> <td>181</td> <td>189,92</td> <td></td> </tr> <tr> <td>181</td> <td>326,91</td> <td>Antimon</td> <td>182</td> <td>190,92</td> <td></td> </tr> <tr> <td>182</td> <td>328,91</td> <td>Telegur</td> <td>183</td> <td>191,92</td> <td></td> </tr> <tr> <td>183</td> <td>330,91</td> <td>Iod</td> <td>184</td> <td>192,92</td> <td></td> </tr> <tr> <td>184</td> <td>332,91</td> <td>Xenon</td> <td>185</td> <td>193,92</td> <td></td> </tr> <tr> <td>185</td> <td>334,91</td> <td>Cäsium</td> <td>186</td> <td>194,92</td> <td></td> </tr> <tr> <td>186</td> <td>336,91</td> <td>Baryum</td> <td>187</td> <td>195,92</td> <td></td> </tr> <tr> <td>187</td> <td>338,91</td> <td>Strontium</td> <td>188</td> <td>196,92</td> <td></td> </tr> <tr> <td>188</td> <td>340,91</td> <td>Yttrium</td> <td>189</td> <td>197,92</td> <td></td> </tr> <tr> <td>189</td> <td>342,91</td> <td>Zirkon</td> <td>190</td> <td>198,92</td> <td></td> </tr> <tr> <td>190</td> <td>344,91</td> <td>Niobium</td> <td>191</td> <td>199,92</td> <td></td> </tr> <tr> <td>191</td> <td>346,91</td> <td>Molybdän</td> <td>192</td> <td>200,92</td> <td></td> </tr> <tr> <td>192</td> <td>348,91</td> <td>Technetium</td> <td>193</td> <td>201,92</td> <td></td> </tr> <tr> <td>193</td> <td>350,91</td> <td>Ruthenium</td> <td>194</td> <td>202,92</td> <td></td> </tr> <tr> <td>194</td> <td>352,91</td> <td>Rhodium</td> <td>195</td> <td>203,92</td> <td></td> </tr> <tr> <td>195</td> <td>354,91</td> <td>Palladium</td> <td>196</td> <td>204,92</td> <td></td> </tr> <tr> <td>196</td> <td>356,91</td> <td>Silber</td> <td>197</td> <td>205,92</td> <td></td> </tr> <tr> <td>197</td> <td>358,91</td> <td>Kadmium</td> <td>198</td> <td>206,92</td> <td></td> </tr> <tr> <td>198</td> <td>360,91</td> <td>Indium</td> <td>199</td> <td>207,92</td> <td></td> </tr> <tr> <td>199</td> <td>362,91</td> <td>Zinn</td> <td>200</td> <td>208,92</td> <td></td> </tr> <tr> <td>200</td> <td>364,</td></tr></table> |             |     |        |             |  |  |  |  |  |  |  |  |  |  | 1 | 1,008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wasserstoff | 1 | 4,003 | Helium | 2 | 7,016 | Lithium | 3 | 9,012 | Beryllium | 3 | 12,011 | Natrium | 4 | 10,811 | Bor   | 4           | 14,007 | Beryllium | 5      | 12,009 | Kohlenstoff | 5       | 16,005 | Sauerstoff | 6         | 14,007 | Silizium | 6       | 18,998 | Fluor  | 7   | 15,999 | Schwefel | 7         | 20,180 | Neon   | 8           | 16,993 | Chlor  | 8          | 22,990 | Natrium | 9        | 17,999 | Argon  | 9     | 24,305 | Magnesium | 10       | 18,998 | Kalium | 10   | 26,982 | Aluminium | 11    | 19,998 | Calcium | 11      | 28,086 | Silicium | 12    | 20,180 | Scandium | 12        | 29,076 | Phosphor | 13     | 21,009 | Titanium | 13        | 30,974 | Schwefel | 14      | 22,990 | Vanadium | 14       | 32,06 | Chlor  | 15       | 23,957 | Chrom  | 15       | 33,95 | Argon  | 16       | 24,963 | Mangan | 16       | 35,45 | Kalium | 17       | 25,972 | Eisen | 17    | 36,96 | Calcium | 18    | 26,982 | Cobalt | 18    | 38,96 | Scandium | 19     | 27,977 | Nickel | 19     | 39,95 | Titanium | 20    | 28,976 | Kupfer | 20      | 40,78 | Vanadium | 21     | 29,076 | Zink  | 21       | 42,01 | Chrom  | 22     | 30,974 | Gallium | 22       | 43,94 | Mangan | 23     | 31,972 | Germanium | 23       | 44,96 | Eisen  | 24   | 32,96 | Arsen | 24    | 46,00 | Cobalt | 25      | 33,95 | Selen | 25     | 47,88 | Nickel | 26        | 34,96 | Brom  | 26    | 48,94 | Kupfer | 27    | 35,96 | Krypton | 27     | 50,94 | Zink  | 28    | 36,96 | Rubidium | 28     | 52,00 | Gallium | 29   | 37,96 | Strontium | 29     | 53,94 | Germanium | 30      | 38,96 | Yttrium | 30   | 54,94 | Arsen | 31       | 39,96 | Zirkon | 31      | 55,94 | Selen | 32        | 40,96 | Niobium | 32        | 56,94 | Brom  | 33      | 41,96 | Molybdän | 33    | 57,95 | Krypton | 34     | 42,96 | Technetium | 34    | 58,93 | Rubidium | 35      | 43,96 | Ruthenium | 35   | 59,94 | Strontium | 36       | 44,96 | Rhodium | 36      | 60,93 | Yttrium | 37         | 45,96 | Palladium | 37       | 62,93 | Zirkon | 38        | 46,96 | Silber | 38        | 63,92 | Niobium | 39      | 47,96 | Kadmium | 39      | 64,92 | Molybdän | 40        | 48,96 | Indium | 40     | 65,93 | Technetium | 41     | 49,96 | Zinn  |
41      | 67,93 | Ruthenium | 42      | 50,94 | Antimon | 42       | 68,93 | Rhodium | 43     | 51,94 | Telegur | 43         | 69,92 | Palladium | 44   | 52,94 | Iod   | 44        | 71,92 | Silber | 45      | 53,94 | Xenon | 45      | 72,91 | Kadmium | 46      | 54,94 | Cäsium | 46        | 73,92 | Indium | 47  | 55,94 | Baryum | 47     | 74,92 | Zinn  | 48    | 56,94 | Lanthan | 48      | 76,93 | Antimon | 49     | 57,93 | Cerium | 49     | 77,94 | Telegur | 50     | 58,93 | Praseodym | 50   | 78,94 | Iod   | 51      | 59,93 | Neodym | 51      | 79,90 | Xenon | 52     | 60,92 | Europium | 52      | 80,91 | Cäsium | 53        | 61,92 | Gadolinium | 53  | 81,90 | Baryum | 54     | 62,91 | Terbium | 54    | 83,90 | Strontium | 55       | 63,92 | Dysprosium | 55     | 85,47 | Yttrium | 56         | 64,93 | Ho    | 56     | 86,91 | Zirkon | 57      | 65,93 | Er    | 57        | 88,91 | Niobium | 58         | 66,93 | Tm    | 58      | 89,90 | Molybdän | 59 | 67,93 | Yb    | 59     | 90,91 | Technetium | 60 | 68,93 | Lu    | 60      | 91,90 | Ruthenium | 61 | 69,92 | Actin | 61       | 92,91 | Rhodium | 62 | 70,92 | Th    | 62         | 93,91 | Palladium | 63 | 71,92 | Pa    | 63        | 95,94 | Silber | 64    | 72,91 | U     | 64      | 96,91 | Kadmium | 65 | 73,92 | Np    | 65        | 97,91 | Indium | 66 | 74,92 | Pu    | 66     | 98,91 | Zinn  | 67 | 75,92 | Am    | 67      | 100,91 | Antimon | 68 | 76,92 | Cm    | 68     | 101,91 | Telegur | 69 | 77,92 | Bk    | 69   | 102,91 | Iod   | 70 | 78,92 | Cf     | 70      | 104,91 | Xenon | 71 | 79,92 | Es     | 71      | 106,91 | Cäsium | 72 | 80,92 | Fm     | 72  | 108,91 | Baryum | 73 | 81,92 | Md     | 73    | 110,91 | Strontium | 74 | 82,92 | No     | 74     | 112,91 | Yttrium | 75 | 83,92 | Lr     | 75     | 114,91 | Zirkon | 76 | 84,92 |        | 76        | 116,91 | Niobium | 77 | 85,92 |        | 77      | 118,91 | Molybdän | 78 | 86,92 |        | 78     | 120,91 | Technetium | 79 | 87,92 |        | 79      | 122,91 | Ruthenium | 80 | 88,92 |        | 80       | 124,91 | Rhodium | 81 | 89,92 |        | 81         | 126,91 | Palladium | 82 | 90,92 |        | 82        | 128,91 | Silber | 83 | 91,92 |        | 83      | 130,91 | Kadmium | 84 | 92,92 |        | 84        | 132,91 | Indium | 85 | 93,92 |        | 85     | 134,91 | Zinn  | 86 | 94,92 |        | 86      | 136,91 | Antimon | 87 | 95,92 |        | 87     | 138,91 | Telegur | 88 | 96,92 |        | 88   | 140,91 | Iod   | 89 | 97,92 |        | 89      | 142,91 | Xenon | 90 | 98,92 |        | 90      | 144,91 | Cäsium | 91 | 99,92 |        | 91  | 146,91 | Baryum | 92 | 100,92 |        | 92    | 148,91 | Strontium | 93 | 101,92 |        | 93     | 150,91 | Yttrium | 94 | 102,92 |        | 94     | 152,91 | Zirkon | 95 | 103,92 |        | 95        | 154,91 | Niobium | 96 | 104,92 |        | 96      | 156,91 | Molybdän | 97 | 105,92 |        | 97     | 158,91 | Technetium | 98 | 106,92 |        | 98      | 160,91 | Ruthenium | 99 | 107,92 |        | 99       | 162,91 | Rhodium | 100 | 108,92 |        | 100        | 164,91 | Palladium | 101 | 109,92 |        | 101       | 166,91 | Silber | 102 | 110,92 |        | 102     | 168,91 | Kadmium | 103 | 111,92 |        | 103       | 170,91 | Indium | 104 | 112,92 |        | 104    | 172,91 | Zinn   | 105 | 113,92 |        | 105     | 174,91 | Antimon | 106 | 114,92 |        | 106    | 176,91 | Telegur | 107 | 115,92 |        | 107  | 178,91 | Iod    | 108 | 116,92 |        | 108     | 180,91 | Xenon  | 109 | 117,92 |        | 109     | 182,91 | Cäsium | 110 | 118,92 |        | 110 | 184,91 | Baryum | 111 | 119,92 |        | 111   | 186,91 | Strontium | 112 | 120,92 |        | 112    | 188,91 | Yttrium | 113 | 121,92 |        | 113    | 190,91 | Zirkon | 114 | 122,92 |        | 114       | 192,91 | Niobium | 115 | 123,92 |        | 115     | 194,91 | Molybdän | 116 | 124,92 |        | 116    | 196,91 | Technetium | 117 | 125,92 |        | 117     | 198,91 | Ruthenium | 118 | 126,92 |        | 118      | 200,91 | Rhodium | 119 | 127,92 |        | 119        | 202,91 | Palladium | 120 | 128,92 |        | 120       | 204,91 | Silber | 121 | 129,92 |        | 121     | 206,91 | Kadmium | 122 | 130,92 |        | 122       | 208,91 | Indium | 123 | 131,92 |        | 123    | 210,91 | Zinn   | 124 | 132,92 |        | 124     | 212,91 | Antimon | 125 | 133,92 |        | 125    | 214,91 | Telegur | 126 | 134,92 |        | 126  | 216,91 | Iod    | 127 | 135,92 |        | 127     | 218,91 | Xenon  | 128 | 136,92 |        | 128     | 220,91 | Cäsium | 129 | 137,92 |        | 129 | 222,91 | Baryum | 130 | 138,92 |        | 130   | 224,91 | Strontium | 131 | 139,92 |        | 131    | 226,91 | Yttrium | 132 | 140,92 |        | 132    | 228,91 | Zirkon | 133 | 141,92 |        | 133       | 230,91 | Niobium | 134 | 142,92 |        | 134     | 232,91 | Molybdän | 135 | 143,92 |        | 135    | 234,91 | Technetium | 136 | 144,92 |        | 136     | 236,91 | Ruthenium | 137 | 145,92 |        | 137      | 238,91 | Rhodium | 138 | 146,92 |        | 138        | 240,91 | Palladium | 139 | 147,92 |        | 139       | 242,91 | Silber | 140 | 148,92 |        | 140     | 244,91 | Kadmium | 141 | 149,92 |        | 141       | 246,91 | Indium | 142 | 150,92 |        | 142    | 248,91 | Zinn   | 143 | 151,92 |        | 143     | 250,91 | Antimon | 144 | 152,92 |        | 144    | 252,91 | Telegur | 145 | 153,92 |        | 145  | 254,91 | Iod    | 146 | 154,92 |        | 146     | 256,91 | Xenon  | 147 | 155,92 |        | 147     | 258,91 | Cäsium | 148 | 156,92 |        | 148 | 260,91 | Baryum | 149 | 157,92 |        | 149   | 262,91 | Strontium | 150 | 158,92 |        | 150    | 264,91 | Yttrium | 151 | 159,92 |        | 151    | 266,91 | Zirkon | 152 | 160,92 |        | 152       | 268,91 | Niobium | 153 | 161,92 |        | 153     | 270,91 | Molybdän | 154 | 162,92 |        | 154    | 272,91 | Technetium | 155 | 163,92 |        | 155     | 274,91 | Ruthenium | 156 | 164,92 |        | 156      | 276,91 | Rhodium | 157 | 165,92 |        | 157        | 278,91 | Palladium | 158 | 166,92 |        | 158       | 280,91 | Silber | 159 | 167,92 |        | 159     | 282,91 | Kadmium | 160 | 168,92 |        | 160       | 284,91 | Indium | 161 | 169,92 |        | 161    | 286,91 | Zinn   | 162 | 170,92 |        | 162     | 288,91 | Antimon | 163 | 171,92 |        | 163    | 290,91 | Telegur | 164 | 172,92 |        | 164  | 292,91 | Iod    | 165 | 173,92 |        | 165     | 294,91 | Xenon  | 166 | 174,92 |        | 166     | 296,91 | Cäsium | 167 | 175,92 |        | 167 | 298,91 | Baryum | 168 | 176,92 |        | 168   | 300,91 | Strontium | 169 | 177,92 |        | 169    | 302,91 | Yttrium | 170 | 178,92 |        | 170    | 304,91 | Zirkon | 171 | 179,92 |        | 171       | 306,91 | Niobium | 172 | 180,92 |        | 172     | 308,91 | Molybdän | 173 | 181,92 |        | 173    | 310,91 | Technetium | 174 | 182,92 |        | 174     | 312,91 | Ruthenium | 175 | 183,92 |        | 175      | 314,91 | Rhodium | 176 | 184,92 |        | 176        | 316,91 | Palladium | 177 | 185,92 |        | 177       | 318,91 | Silber | 178 | 186,92 |        | 178     | 320,91 | Kadmium | 179 | 187,92 |        | 179       | 322,91 | Indium | 180 | 188,92 |        | 180    | 324,91 | Zinn   | 181 | 189,92 |        | 181     | 326,91 | Antimon | 182 | 190,92 |        | 182    | 328,91 | Telegur | 183 | 191,92 |        | 183  | 330,91 | Iod    | 184 | 192,92 |        | 184     | 332,91 | Xenon  | 185 | 193,92 |        | 185     | 334,91 | Cäsium | 186 | 194,92 |        | 186 | 336,91 | Baryum | 187 | 195,92 |        | 187   | 338,91 | Strontium | 188 | 196,92 |        | 188    | 340,91 | Yttrium | 189 | 197,92 |        | 189    | 342,91 | Zirkon | 190 | 198,92 |        | 190       | 344,91 | Niobium | 191 | 199,92 |        | 191     | 346,91 | Molybdän | 192 | 200,92 |        | 192    | 348,91 | Technetium | 193 | 201,92 |        | 193     | 350,91 | Ruthenium | 194 | 202,92 |        | 194      | 352,91 | Rhodium | 195 | 203,92 |        | 195        | 354,91 | Palladium | 196 | 204,92 |        | 196       | 356,91 | Silber | 197 | 205,92 |        | 197     | 358,91 | Kadmium | 198 | 206,92 |        | 198       | 360,91 | Indium | 199 | 207,92 |        | 199    | 362,91 | Zinn   | 200 | 208,92 |        | 200     | 364, |        |  |     |        |        |     |        |  |     |        |      |     |        |  |     |      |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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Montag, 9. November, 15 Uhr

### Hüttenwerker-Treffen

Der Förderverein Industriemuseum Henrichshütte lädt ehemalige Beschäftigte der Hütte zum gemütlichen Austausch bei Kaffee und Kuchen ein. Außerdem: ein Film zum Thema Werksschutz mit Einführung von Prof. Manfred Rasch, ThyssenKrupp-Konzernarchiv. Anmeldungen erbeten bis zum 2. November unter Tel. (02324) 9247-151. Eintritt frei

Mittwoch, 11. November, 19.30 Uhr, Einlass 18.30 Uhr

### DANCE MASTERS! Best of Irish Dance

Eine fesselnde Zeitreise durch das Irland der letzten 200 Jahre – irisch frisch und lebensfroh! DANCE MASTERS! erzählt die Geschichte des irischen Stepptanzes auf musikalische und tänzerische Weise. Eine berührende Liebesgeschichte zwischen Patrick und Kate führt die Zuschauer vom 18. Jahrhundert über verschiedene Epochen bis zur heutigen Zeit. Tickets und weitere Informationen unter [www.reset-production.de](http://www.reset-production.de). 34,90 Euro bis 49,90 Euro zzgl. Gebühren.



Freitag, 13. November, 17 Uhr

### Eröffnung Martini-Markt und Martinsfest

Andacht, Laternenumzug mit Pferd, St. Martin und Musikbegleitung zum Martinsfeuer. Informationen unter Tel. (02324) 951473 und [www.kuenstlerbunt-multicolor.de](http://www.kuenstlerbunt-multicolor.de). Eintritt frei



Samstag, 14. November – Sonntag, 15. November, 10-18 Uhr

### Martini-Markt für Kunsthandwerk

Weitere Informationen unter Tel. (02324) 951473 und [www.kuenstlerbunt-multicolor.de](http://www.kuenstlerbunt-multicolor.de)  
Eintritt zum Markt frei

Samstag, 21. November, Einlass 19 Uhr, Beginn 20 Uhr

### 2. Volksbank Hüttenkracher Party – Die Schlagernacht

Charity-Party zur Sportförderung unterstützt von der Volksbank Sprockhövel. Mit dabei: Danny & The Chicks, Mike Bauhaus, Neon, Pures Glück, Lars Vegas ... und jede Menge tanzbare Musik. Weitere Informationen bei Facebook unter „Hüttenkracher Party!“ Karten bei den Volksbankfilialen Hattingen und Sprockhövel und unter [karten.huettenkracher@web.de](mailto:karten.huettenkracher@web.de) (Stichwort „Hüttenkracher“). VVK 15 Euro, AK 17 Euro



Freitag, 27. November, 18 -23 Uhr

### Nachtschicht – die Hütte bei Vollmond und Fackelschein!

18 Uhr Familienführung mit Knicklichtern übers Museumsgelände  
20 Uhr Vollmondführung für Erwachsene.  
Anmeldungen nicht erforderlich  
8 Euro Erw., 4 Euro Kinder und Jugendliche von 6-17 J.  
inkl. Knicklichter/Fackeln

Samstag, 28. November, 15 Uhr

### Gebärdendolmetscherführung auf dem Weg des Eisens

Integrative Führung für Hörende und Taube mit Gebärdendolmetscherin. Museumseintritt

Sonntag, 29. November, 11-12.30 Uhr

### Adventspaziergang mit dem Förderverein

Führung des Fördervereins Industriemuseum Henrichshütte durch Welper, das durch die Henrichshütte geprägt wurde. Erfahren Sie Spannendes über die Entstehungsgeschichte und Entwicklung Welpers und dem Leben in der Gartenstadt. Anmeldung unter (02324) 9247-151. Treffpunkt Bogenstr./Ecke Gartenstr. 7 Euro



Sonntag, 29. November, 11-16 Uhr

### JOMO'S Modelleisenbahn- & Spielzeugmarkt

4 Euro, Kinder bis 14 Jahre frei



Freitag, 4. Dezember, 18-23 Uhr

### Foto Workshop „Henrichshütte bei Nacht“

Erforschen Sie mit Ihrer Kamera unter Leitung von Gerd Hehs das attraktiv illuminierte Hüttengelände bei Nacht. Für diesen Fotoworkshop werden Räume zugänglich gemacht, die für die Museumsbesucher noch nicht geöffnet sind. Gerd Hehs leitet seit vielen Jahren eine Gruppe jugendlicher Fotografen. Seine gekonnt inszenierten Bilder sind schon in zahlreichen Ausstellungen zu sehen gewesen. Max. 8 Teilnehmer, Anmeldung unter (02324) 9247-140 45 Euro zzgl. Museumseintritt

Sonntag, 6. Dezember, 10-18 Uhr

### „Immer wieder sonntags...“

Unsere Führungsangebote finden Sie in der Rubrik „Führungen“. Zusätzlich von 14-17 Uhr Eisenbahnführerstand-Mitfahrten. Museumseintritt

Montag, 7. Dezember, 20 Uhr

### Nachtschnittchen im „Henrichs“

Der Musiker und Moderator Helmut Sanftenschneider holt sich Künstler aus der Comedy-Szene auf die Bühne. 17 Euro



Mittwoch, 9. Dezember, 20 Uhr

### Filmabend „Clara Immerwahr“

(D/A 2014) Erzählt wird die Lebensgeschichte der ersten promovierten deutschen Chemikerin (1870 – 1915) und die Geschichte einer unglücklichen Liebe. Nach Umwegen finden Clara und der Chemiker Fritz Haber zusammen. Er will das Ernährungsproblem lösen und arbeitet an der Stickstoff-Fixierung – gleichermaßen Grundlage für Kunstdünger und

Sprengstoff. Gegen alle Widerstände arbeitet auch Clara an diesem Projekt mit. Fritz macht Karriere, dabei stört die Präsenz seiner Frau als Wissenschaftlerin. Während des 1. Weltkriegs erfährt die Pazifistin mit Entsetzen, dass ihr Mann Giftgas für die Reichswehr entwickelt. Erfolglos versucht sie ihn aufzuhalten. Kurz nach dem ersten Einsatz von Gas bei Ypern erschießt

sich Clara mit der Waffe ihres Mannes. Fritz Haber wird mit dem Nobelpreis für Chemie ausgezeichnet. Thematisiert wird die Frage nach Moral in der Wissenschaft und der Rolle einer Frau als Wissenschaftlerin zu Beginn des 20. Jahrhunderts. Er beleuchtet die damalige Benachteiligung der Frauen sowie den Druck der Wirtschaft und des Militärs auf die Wissenschaft. Eintritt frei



Sonntag, 13. Dezember, 11-13 Uhr  
**Grüne Werkstatt: Natur kreativ – Gestalten mit Naturfundstücken**

Die Pflanzen und Tiere auf der Henrichshütte haben sich der kalten Jahreszeit angepasst und sind gut versteckt. Unsere Aufmerksamkeit gilt daher den vielen Fundstücken aus der Natur, die zum Gestalten kleiner und großer Kunstwerke gesammelt werden können: Steine, vertrocknete Blütenstände, Laub, Zweige, Samen, aber auch die Reste der Eisenverhüttung können genutzt werden. Nach dem Sammeln im Freien werden bei Kerzenlicht und Plätzchen im Warmen schöne Natur-Mitbringsel gebastelt. Buchbar auch für Gruppen und Schulklassen im November und Dezember. Offenes Angebot für Familien in Kooperation mit der VHS Hattingen  
 3 Euro plus Museumseintritt



Samstag, 12. Dezember, 17 Uhr, Einlass 16.30 Uhr  
**„3. Große Let's dance-Weihnachtsshow“**  
 Die kleinen und großen Mitglieder aus Let's dance Jasmins Tanzstudio möchten den Gästen mit tollen Darbietungen stimmungsvoll die Vorweihnachtszeit verschönern. Infos unter Tel.(02324) 23809

Montag, 14. Dezember, 20 Uhr (Einlass ab 18 Uhr)  
**„Wallis wilde Weihnacht“ im „Henrichs“**  
 Sie ist die berühmteste Reinigungsfachkraft des Ruhrgebietes, Waltraud Ehlert alias Esther Münch. Infos unter [www.henrichs-restaurant.de](http://www.henrichs-restaurant.de)  
 15 Euro zzgl. VVK-Gebühr, AK 18 Euro

Sonntag, 13. Dezember, 11-16 Uhr  
**RatzFatz Familentrödelmarkt**  
 Informationen und Standanmeldung unter (02302) 914270. Eintritt zum Markt frei



(Foto: Michael Grosler)

Samstag, 19. Dezember, 20 Uhr

### **Christmas Moments mit Patricia Kelly und anderen**

Tickets und Infos unter [www.christmas-moments.de](http://www.christmas-moments.de)

Samstag, 26. Dezember, 11-16 Uhr

### **JOMO'S Modelleisenbahn- & Spielzeugmarkt**

Eintritt 4 Euro, Kinder bis 14 Jahre frei

Samstag, 26. Dezember, 18 -23 Uhr

### **Nachtschicht – die Hütte bei Vollmond und Fackelschein!**

18 Uhr Familienführung mit Knicklichtern übers Museumsgelände

20 Uhr Vollmondführung für Erwachsene. Anmeldungen nicht erforderlich

8 Euro Erw., 4 Euro Kinder und Jugendliche von 6-17 J. inkl. Knicklichter/Fackeln

Montag, 28. Dezember, 19 Uhr

### **Wolf Coderas „Session Possible“**

Coderas Kult-Session mit internationalen Gästen in der Museumsgastronomie

„Henrichs“. Eintritt 14 Euro VV, AK 22 Euro



Donnerstag, 31. Dezember

### **Silvesterparty in der Gebläsehalle**

Infos unter (02324) 685963



Freitag, 1. Januar, 17 Uhr

### **Neujahrsspaziergang durch das Industriemuseum**

Geht's schon wieder? Dann gehen Sie doch mit! Wir führen Sie über das attraktiv illuminierte Werksgelände. Zur Belohnung gibt es am Schluss einen „Absacker“ – natürlich auch alkoholfrei.

Erw. 5 Euro, Kinder ab 6 J. 2 Euro



## Förderverein.

Viele Mitglieder haben früher auf der Hütte gearbeitet. Das ist eine Chance, die wir nutzen. Beispiele?

Schmieden von heißem Stahl, Gießen von flüssigem Metall. Das machen Männer und Frauen vom Förderverein.

Den Blick über den Gartenzaun im Arbeiter-Vorort Welper. Wo? Das erleben Sie bei der Welper-Führung des Fördervereins.

Schwerindustrie. Das wiegt und das ist viel. Die Werksbahner mussten diese Massen bewegen.

Wie? Das erzählt Ihnen der Förderverein.

Sie wollen mitmachen, sind aber kein Hüttenwerker? Dann lernen Sie uns kennen. Helfen Sie beim „Hüttenwerker-Treff“.

Sie wollen Geschichte erleben? Helfen Sie mit beim „Portrait-Projekt“ des Fördervereins. Menschen und ihre Arbeit werden in Bild und Film festgehalten. Damit etwas bleibt von unserer Hütte.

Förderverein des LWL-Industriemuseums

Henrichshütte. Nun wissen Sie, wer wir sind.

Jetzt wollen wir Sie kennen lernen. Wollen

Sie das auch? Dann rufen Sie uns an unter 02324.9247-151. Nicht irgendwann. Jetzt.

Wir freuen uns auf Sie!



# HENRICH'S



RESTAURANT  
BAR LOUNGE

PARTYS

TAGUNGEN

HOCHZEITEN

VERANSTALTUNGEN

von 20 bis 2000 Personen in der Gebläsehalle

CAFÈ & BISTRO

RESTAURANT

PARTYSERVICE

Henrichs GmbH // Werksstr. 31-33 // 45527 Hattingen  
[www.henrichs-restaurant.de](http://www.henrichs-restaurant.de) // [info@henrichs-restaurant.de](mailto:info@henrichs-restaurant.de) // Tel.: (02324) 68 59 63

Eintrittspreis:

Erwachsene 4,00 Euro

Gruppen ab 16 Personen p.P. 3,50 Euro

ermäßigt 2,50 Euro

Kinder, Jugendliche (6-17 J.) und Schüler 1,50 Euro

Schüler mit Führung (2 Begleitpersonen frei) 1,10 Euro

Familientageskarte 9,00 Euro

Öffnungszeiten:

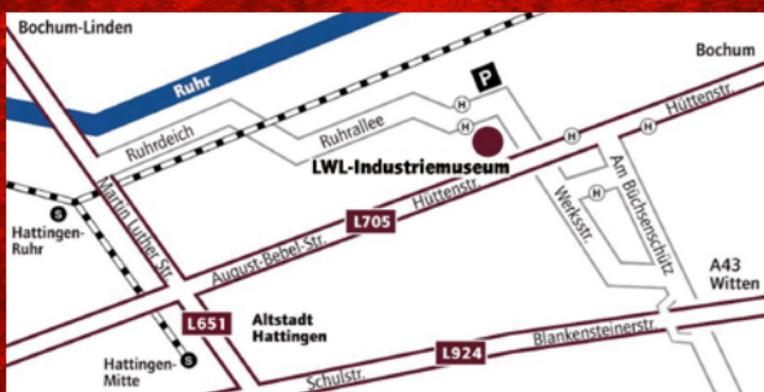
Di - So 10-18 Uhr, Fr 10 - 20.00 Uhr

Anfahrt mit Bus und Bahn

Ab Bochum Hauptbahnhof mit den Buslinien CE 31 und SB 37 („Henrichshütte“).

Ab Hattingen-Mitte (Busbahnhof) mit den Buslinien 558 („Industriemuseum“), SB 38 („Werksstraße“) sowie CE 31 und SB 37 („Henrichshütte“).

In Hattingen-Mitte (Busbahnhof) S-Bahn-Anschluss Linie 3 Richtung Essen / Oberhausen.



LWL-Industriemuseum  
Henrichshütte Hattingen

Werksstr. 31-33

45527 Hattingen

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Änderungen vorbehalten.