

Das Periodensystem der Elemente

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|--|--|---------------------------------------|--|--------------------------------------|---|---|--|---|---|--|--|---|--|---|--|---|--|
| 1 H Wasserstoff 1.008 | | | | | | | | | | | | | | | | | 2 He Helium 4.003 |
| 3 Li Lithium 6.941 | 4 Be Beryllium 9.012 | | | | | | | | | | | 5 B Bor 10.811 | 6 C Kohlenstoff 12.011 | 7 N Stickstoff 14.007 | 8 O Sauerstoff 15.999 | 9 F Fluor 18.998 | 10 Ne Neon 20.180 |
| 11 Na Natrium 22.990 | 12 Mg Magnesium 24.305 | | | | | | | | | | | 13 Al Aluminium 26.982 | 14 Si Silicium 28.086 | 15 P Phosphor 30.974 | 16 S Schwefel 32.066 | 17 Cl Chlor 35.453 | 18 Ar Argon 39.948 |
| 19 K Kalium 39.098 | 20 Ca Calcium 40.078 | 21 Sc Scandium 44.956 | 22 Ti Titan 47.88 | 23 V Vanadium 50.942 | 24 Cr Chrom 51.996 | 25 Mn Mangan 54.938 | 26 Fe Eisen 55.933 | 27 Co Cobalt 58.933 | 28 Ni Nickel 58.693 | 29 Cu Kupfer 63.546 | 30 Zn Zink 65.39 | 31 Ga Gallium 69.732 | 32 Ge Germanium 72.61 | 33 As Arsen 74.922 | 34 Se Selen 78.09 | 35 Br Brom 79.904 | 36 Kr Krypton 84.80 |
| 37 Rb Rubidium 84.468 | 38 Sr Strontium 87.62 | 39 Y Yttrium 88.906 | 40 Zr Zirkonium 91.224 | 41 Nb Niob 92.906 | 42 Mo Molibdän 95.94 | 43 Tc Technetium 98.907 | 44 Ru Ruthenium 101.07 | 45 Rh Rhodium 102.906 | 46 Pd Palladium 106.42 | 47 Ag Silber 107.868 | 48 Cd Cadmium 112.411 | 49 In Indium 114.818 | 50 Sn Zinn 118.71 | 51 Sb Antimon 121.760 | 52 Te Tellur 127.6 | 53 I Iod 126.904 | 54 Xe Xenon 131.29 |
| 55 Cs Cäsium 132.905 | 56 Ba Barium 137.327 | 57-71 Lanthanoid | 72 Hf Hafnium 178.49 | 73 Ta Tantal 180.948 | 74 W Wolfram 183.85 | 75 Re Rhenium 186.207 | 76 Os Osmium 190.23 | 77 Ir Iridium 192.22 | 78 Pt Platin 195.08 | 79 Au Oro 196.967 | 80 Hg Quecksilber 200.59 | 81 Tl Thallium 204.383 | 82 Pb Blei 207.2 | 83 Bi Bismut 208.980 | 84 Po Polonium [208.982] | 85 At Astat 209.987 | 86 Rn Radon 222.018 |
| 87 Fr Francium 223.020 | 88 Ra Radium 226.025 | 89-103 Actinoid | 104 Rf Rutherfordium [261] | 105 Db Dubnium [262] | 106 Sg Seaborgium [266] | 107 Bh Bohrium [264] | 108 Hs Hassium [269] | 109 Mt Meitnerium [268] | 110 Ds Darmstadtium [269] | 111 Rg Roentgenium [272] | 112 Cn Copernicium [277] | 113 Uut Ununtrium unbekannt | 114 Fl Flerovium [289] | 115 Uup Ununpentium unbekannt | 116 Lv Livermorium [298] | 117 Uus Ununseptium unbekannt | 118 Uuo Ununoctium unbekannt |

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| 57 La Lanthan 138.906 | 58 Ce Cer 140.115 | 59 Pr Praseodym 140.908 | 60 Nd Neodym 144.24 | 61 Pm Promethium 144.913 | 62 Sm Samarium 150.36 | 63 Eu Europium 151.966 | 64 Gd Gadolinium 157.25 | 65 Tb Terbium 158.925 | 66 Dy Dysprosium 162.50 | 67 Ho Holmium 164.930 | 68 Er Erbium 167.26 | 69 Tm Thulium 168.934 | 70 Yb Ytterbium 173.04 | 71 Lu Lutetium 174.967 |
| 89 Ac Actinium 227.028 | 90 Th Thorium 232.038 | 91 Pa Protactinium 231.036 | 92 U Uran 238.029 | 93 Np Neptunium 237.048 | 94 Pu Plutonium 244.064 | 95 Am Americium 243.061 | 96 Cm Curium 247.070 | 97 Bk Berkelium 247.070 | 98 Cf Californium 251.080 | 99 Es Einsteinium [254] | 100 Fm Fermium 257.095 | 101 Md Mendelevium 258.1 | 102 No Nobelium 259.101 | 103 Lr Lawrencium [262] |

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| Alkalimetall | Erdalkalimetall | Übergangsmetall | Halbmetall | Metalloid | Nichtmetall | Halogen | Edelgas | Lanthanoid | Actinoid |
|--------------|-----------------|-----------------|------------|-----------|-------------|---------|---------|------------|----------|