

Periodensystem der Elemente

Periode	I		II										III		IV		V		VI		VII		VIII		Schale					
	1	IA											13	IIIA	14	IVA	15	VA	16	VIA	17	VIIA	18	VIIIA						
1	1,00794 1 H Wasserstoff Hydrogen		Erdalkalimetalle																					2,016 2 He Helium Helium	K					
2	6,941 3 Li Lithium Lithium	9,012182 4 Be Beryllium Beryllium																						10,811 5 B Bor Boron	12,0107 6 C Kohlenstoff Carbon	14,0067 7 N Stickstoff Nitrogen	15,9994 8 O Sauerstoff Oxygen	18,9984032 9 F Fluor Fluorine	20,1797 10 Ne Neon Neon	L
3	22,98977 11 Na Natrium Sodium	24,305 12 Mg Magnesium Magnesium																						26,981538 13 Al Aluminium Aluminium	28,0855 14 Si Silicium Silicon	30,973761 15 P Phosphor Phosphorus	32,065 16 S Schwefel Sulfur	35,453 17 Cl Chlor Chlorine	39,948 18 Ar Argon Argon	M
4	39,0983 19 K Kalium Potassium	40,078 20 Ca Calcium Calcium	44,95591 21 Sc Scandium Scandium	47,867 22 Ti Titan Titanium	50,9415 23 V Vanadium Vanadium	51,9961 24 Cr Chrom Chromium	54,938049 25 Mn Mangan Manganese	55,845 26 Fe Eisen [Ferrum] Iron	58,9332 28 Co Kobalt Cobalt	58,934 29 Ni Nickel Nickel	63,546 29 Cu Kupfer [Cuprum] Copper	65,39 30 Zn Zink Zinc	69,723 31 Ga Gallium Gallium	72,64 32 Ge Germanium Germanium	74,9216 33 As Arsen Arsenic	78,96 34 Se Selen Selenium	79,904 35 Br Brom Bromine	83,8 36 Kr Krypton Krypton	N											
5	85,4678 37 Rb Rubidium Rubidium	87,62 38 Sr Strontium Strontium	88,90585 39 Y Yttrium Yttrium	91,224 40 Zr Zirkon [ium] Zirconium	92,90638 41 Nb Niob Niobium	95,94 42 Mo Molybdän Molybdenum	98,9063 43 Tc Technetium Technetium	101,07 44 Ru Ruthenium Ruthenium	102,9055 45 Rh Rhodium Rhodium	106,42 46 Pd Palladium Palladium	107,8682 47 Ag Silber [Argentum] Silver	112,411 48 Cd Cadmium Cadmium	114,818 49 In Indium Indium	118,71 50 Sn Zinn [Stannum] Tin	121,76 51 Sb Antimon [Stibium] Antimony	127,6 52 Te Tellur Tellurium	126,90447 53 I Jod [Iod] Iodine	131,293 54 Xe Xenon Xenon	O											
6	132,90545 55 Cs Cäsium Cäsium	137,327 56 Ba Barium Barium	LANTHANIDE		178,49 72 Hf Hafnium Hafnium	180,9479 73 Ta Tantal Tantalum	183,84 74 W Wolfram Tungsten	186,207 75 Re Rhenium Rhenium	190,23 76 Os Osmium Osmium	192,217 77 Ir Iridium Iridium	195,078 78 Pt Platin Platinum	196,96654 79 Au Gold [Aurum] Gold	200,59 80 Hg Quecksilber Mercury	204,3833 81 Tl Thallium Thallium	207,2 82 Pb Blei [Plumbum] Lead	208,98038 83 Bi Bismut/Wismuth Bismuth	208,9824 84 Po Polonium Polonium	209,9871 85 At Astat[um] Astatine	222,0176 86 Rn Radon Radon	P										
7	223,0197 87 Fr Francium Francium	226,0254 88 Ra Radium Radium	ACTINIDE		261,1089 104 Rf Rutherfordium Rutherfordium	262,1144 105 Db Dubnium Dubnium	263,1186 106 Sg Seaborgium Seaborgium	262,1231 107 Bh Bohrium Bohrium	265,1306 108 Hs Hassium Hassium	266,1378 109 Mt Meitnerium Meitnerium	269 110 Ds Darmstadtium Darmstadtium	272 111 Rg Roentgenium Roentgenium	277 112 Cn Copernicium Copernicium	287 113 Uut Ununtrium Ununtrium	289 114 Fl Flerovium Flerovium	288 115 Uup Ununpentium Ununpentium	289 116 Lv Livermorium Livermorium	293 117 Uus Ununseptium Ununseptium	294 118 Uuo Ununoctium Ununoctium	Q										

Relative Atommasse [u] oder Molare Masse [g/mol] → 12,0107

Ordnungszahl (Anzahl der Protonen) → 6

Elementsymbol → C

Schmelzpunkt [°C] → 3650

Siedepunkt [°C] → 4827

Elektronegativität (Allred-Rochow) → 2,5

Dichte [g/cm³]; bei Gasen [g/l] → 2,25

deutscher Name → Kohlenstoff

Englische Bezeichnung (nach IUPAC) → Carbonium

Hg = flüssig (bei 20°C)
 Al = fest
 N = gasförmig
 U = kein stabiles Isotop ist bekannt
 * = künstlich hergestelltes Element

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IUPAC - Empfehlung
 Von Chemical Abstracts Service bis 1986 verwendet

LANTHANIDE

138,9055 57 La Lanthan Lanthanum	141,116 58 Ce Cer Cerium	140,90765 59 Pr Praseodym Praseodymium	144,24 60 Nd Neodym Neodymium	146,9151 61 Pm Promethium Promethium	150,36 62 Sm Samarium Samarium	151,964 63 Eu Europium Europium	157,25 64 Gd Gadolinium Gadolinium	158,92534 65 Tb Terbium Terbium	162,5 66 Dy Dysprosium Dysprosium	164,93032 67 Ho Holmium Holmium	167,259 68 Er Erbium Erbium	168,93421 69 Tm Thulium Thulium	173,04 70 Yb Ytterbium Ytterbium	174,967 71 Lu Lutetium Lutetium
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ACTINIDE

227,0278 89 Ac Actinium Actinium	232,0381 90 Th Thorium Thorium	231,03588 91 Pa Protactinium Protactinium	238,02891 92 U Uran Uran	237,0482 93 Np Neptunium Neptunium	244,0642 94 Pu Plutonium Plutonium	243,0614 95 Am Americium Americium	247,0703 96 Cm Curium Curium	247 97 Bk Berkelium Berkelium	251,0796 98 Cf Californium Californium	252,0829 99 Es Einsteinium Einsteinium	257,0951 100 Fm Fermium Fermium	258,0986 101 Mv Mendelevium Mendelevium	259,1009 102 No Nobelium Nobelium	262,11 103 Lr Lawrentium Lawrentium
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