



Periodensystem der Elemente

	1	2											13	14	15	16	17	18
1	1 H _{2,2} Wasserstoff 1,008																	2 He Helium 4,003
2	3 Li _{1,0} Lithium 6,94	4 Be _{1,6} Beryllium 9,012											5 B _{2,0} Bor 10,811	6 C _{2,6} Kohlenstoff 12,011	7 N _{3,0} Stickstoff 14,007	8 O _{3,4} Sauerstoff 15,999	9 F _{4,0} Fluor 18,998	10 Ne _{3,2} Neon 20,180
3	11 Na _{0,9} Natrium 22,990	12 Mg _{1,3} Magnesium 24,305	3	4	5	6	7	8	9	10	11	12	13 Al _{1,6} Aluminium 26,982	14 Si _{1,9} Silicium 28,086	15 P _{2,2} Phosphor 30,974	16 S _{2,6} Schwefel 32,065	17 Cl _{3,2} Chlor 35,453	18 Ar _{2,4} Argon 39,948
4	19 K _{0,8} Kalium 39,098	20 Ca _{1,0} Calcium 40,078	21 Sc _{1,4} Scandium 44,956	22 Ti _{1,5} Titan 47,867	23 V _{1,6} Vanadium 50,942	24 Cr _{1,7} Chrom 51,996	25 Mn _{1,6} Mangan 54,938	26 Fe _{1,8} Eisen 55,845	27 Co _{1,9} Cobalt 58,933	28 Ni _{1,9} Nickel 58,693	29 Cu _{1,9} Kupfer 63,546	30 Zn _{1,7} Zink 65,38	31 Ga _{1,8} Gallium 69,723	32 Ge _{2,0} Germanium 72,630	33 As _{2,2} Arsen 74,922	34 Se _{2,6} Selen 78,971	35 Br _{3,0} Brom 79,904	36 Kr _{2,2} Krypton 83,798
5	37 Rb _{0,8} Rubidium 85,468	38 Sr _{0,9} Strontium 87,62	39 Y _{1,2} Yttrium 88,906	40 Zr _{1,3} Zirkonium 91,224	41 Nb _{1,6} Niobium 92,906	42 Mo _{2,2} Molybdän 95,95	43 Tc _{1,9} Technetium 97,907*	44 Ru _{2,2} Ruthenium 101,07	45 Rh _{2,3} Rhodium 102,905	46 Pd _{2,2} Palladium 106,42	47 Ag _{1,9} Silber 107,868	48 Cd _{1,7} Cadmium 112,414	49 In _{1,8} Indium 114,818	50 Sn _{2,0} Zinn 118,710	51 Sb _{2,1} Antimon 121,760	52 Te _{2,1} Tellur 127,60	53 I _{2,7} Iod 126,905	54 Xe _{2,0} Xenon 131,293
6	55 Cs _{0,8} Cäsium 132,905	56 Ba _{0,9} Barium 137,327	57 La _{1,1} Lanthan 138,905	72 Hf _{1,3} Hafnium 178,49	73 Ta _{1,5} Tantal 180,948	74 W _{2,4} Wolfram 183,84	75 Re _{1,9} Rhenium 186,207	76 Os _{2,2} Osmium 190,23	77 Ir _{2,2} Iridium 192,217	78 Pt _{2,3} Platin 195,084	79 Au _{2,5} Gold 196,967	80 Hg _{2,0} Quecksilber 200,592	81 Tl _{2,0} Thallium 204,383	82 Pb _{2,3} Blei 207,2	83 Bi _{2,0} Bismut 208,980*	84 Po _{2,0} Polonium 209,983*	85 At _{2,2} Astat 209,987	86 Rn _{2,0} Radon 222,018*
7	87 Fr _{0,7} Francium 223,020*	88 Ra _{0,9} Radium 226,025*	89 Ac _{1,1} Actinium 227,028*	104 Rf Rutherfordium 267*	105 Db Dubnium 270*	106 Sg Seaborgium 269*	107 Bh Bohrium 270*	108 Hs Hassium 270*	109 Mt Meitnerium 278*	110 Ds Darmstadtium 281*	111 Rg Röntgenium 281*	112 Cn Copernicium 285*	113 Nh Nihonium 286*	114 Fl Flerovium 289*	115 Mc Moscovium 289*	116 Lv Livermorium 293*	117 Ts Tenness 294*	118 Og Oganesson 294*

1
H_{2,2}
Wasserstoff
1,008

← Ordnungszahl (Kernladungszahl)
← Elektronegativität (nach Pauling)
← Mittlere relative Atommasse in u
(* Atommasse für stabilstes Isotop
bei radioaktiven Elementen)

Lanthanoide	58 Ce _{1,1} Cer 140,116	59 Pr _{1,1} Praseodym 140,908	60 Nd _{1,1} Neodym 144,242	61 Pm Promethium 146,915*	62 Sm _{1,2} Samarium 150,36	63 Eu _{1,2} Europium 151,964	64 Gd _{1,2} Gadolinium 157,25	65 Tb _{1,2} Terbium 158,925	66 Dy _{1,2} Dysprosium 162,500	67 Ho _{1,2} Holmium 164,930	68 Er _{1,2} Erbium 167,259	69 Tm _{1,3} Thulium 168,934	70 Yb _{1,3} Ytterbium 173,045	71 Lu _{1,3} Lutetium 174,967
Actinoide	90 Th _{1,3} Thorium 232,038*	91 Pa _{1,5} Protactinium 231,036*	92 U _{1,7} Uran 238,051*	93 Np _{1,3} Neptunium 237,048*	94 Pu _{1,3} Plutonium 244,064*	95 Am _{1,3} Americium 243,061*	96 Cm _{1,3} Curium 247,070*	97 Bk _{1,3} Berkelium 247,070*	98 Cf _{1,3} Californium 251,080*	99 Es _{1,3} Einsteinium 252,083*	100 Fm _{1,3} Fermium 257,095*	101 Md _{1,3} Mendelevium 258,098*	102 No _{1,3} Nobelium 259,101*	103 Lr Lawrencium 262,110*