

Periodic Table of the Elements

1A	2A	3B	4B	5B	6B	7B	8B	1B	2B	3A	4A	5A	6A	7A	8.A		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
hydrogen 1 1.00794(7) H	beryllium 4 9.012182(3) Be	lithium 3 6.94(12) Li	scandium 21 44.955910(8) Sc	titanium 22 47.867(1) Ti	vanadium 23 50.9415(1) V	chromium 24 51.9961(6) Cr	manganese 25 54.938049(9) Mn	iron 26 55.845(2) Fe	nickel 28 58.6934(4) Ni	copper 29 63.546(3) Cu	zinc 30 65.38(2) Zn	boron 5 10.811(7) B	carbon 6 12.0107(8) C	nitrogen 7 14.0067(7) N	oxygen 8 15.9994(3) O	fluorine 9 18.9984032(5) F	helium 2 4.002602(2) He
cesium 55 132.90545(2) Cs	barium 56 137.327(7) Ba	lanthanum 57 138.9055(2) La	yttrium 39 88.90585(2) Y	zirconium 40 91.224(2) Zr	niobium 41 92.90638(2) Nb	molybdenum 42 95.96(2) Mo	technetium 43 [98] Tc	ruthenium 44 101.07(2) Ru	palladium 46 106.42(1) Pd	silver 47 107.8682(2) Ag	cadmium 48 112.411(8) Cd	aluminum 13 26.981538(2) Al	silicon 14 28.0855(3) Si	phosphorus 15 30.973761(2) P	sulfur 16 32.06(5) S	chlorine 17 35.453(2) Cl	argon 18 39.948(1) Ar
francium 87 [223] Fr	radium 88 [226] Ra	actinium 89 [227] Ac	lutetium 71 174.9668(1) Lu	hafnium 72 178.49(2) Hf	tantalum 73 180.9479(1) Ta	seaborgium 106 [271] Sg	bohrium 107 [272] Bh	hassium 108 [270] Hs	meitnerium 109 [276] Mt	roentgenium 111 [280] Rg	ununbium 112 [285] Uub	ununtrium 113 [284] Uut	ununquadium 114 [289] Uuq	ununpentium 115 [288] Uup	ununhexium 116 [293] Uuh	ununseptium 117 [294] Uus	ununoctium 118 [294] Uuo

Key:
 element name
 atomic number **Z**
 symbol
 2003 atomic weight (mean relative mass)

lanthanum 57 138.9055(2) La	cerium 58 140.116(1) Ce	praseodymium 59 140.90765(2) Pr	neodymium 60 144.24(3) Nd	promethium 61 [145] Pm	samarium 62 150.36(3) Sm	europlum 63 151.964(1) Eu	gadolinium 64 157.25(3) Gd	terbium 65 158.92534(2) Tb	dysprosium 66 162.500(1) Dy	holmium 67 164.93032(2) Ho	erbium 68 167.259(3) Er	thulium 69 168.93421(2) Tm	ytterbium 70 173.054(5) Yb
actinium 89 [227] Ac	thorium 90 232.0381(1) Th	protactinium 91 231.03588(2) Pa	uranium 92 238.02891(3) U	neptunium 93 [237] Np	plutonium 94 [244] Pu	americium 95 [243] Am	curium 96 [247] Cm	berkelium 97 [247] Bk	californium 98 [251] Cf	einsteinium 99 [252] Es	fermium 100 [257] Fm	mendeleevium 101 [258] Md	nobelium 102 [259] No

Lanthanoids

Actinoids