

PERIODIC TABLE OF THE ELEMENTS

+1	+2	(+3)	(+4)	(+2→5)	(+3,6)	(+2,7)	(+2,3)	(+2,3)	(+2)	(+1,2)	(+2)	+3	±4	-3	-2	-1	0
H Hydrogen 1 1.008																He Helium 2 4.003	
Li Lithium 3 6.941	Be Beryllium 4 9.012											B Boron 5 10.81	C Carbon 6 12.01	N Nitrogen 7 14.01	O Oxygen 8 16.00	F Fluorine 9 19.00	Ne Neon 10 20.18
Na Sodium 11 23.00	Mg Magnesium 12 24.31											Al Aluminum 13 26.98	Si Silicon 14 28.09	P Phosphorus 15 30.97	S Sulfur 16 32.07	Cl Chlorine 17 35.45	Ar Argon 18 39.95
K Potassium 19 39.10	Ca Calcium 20 40.08	Sc Scandium 21 44.96	Ti Titanium 22 47.88	V Vanadium 23 50.94	Cr Chromium 24 52.00	Mn Manganese 25 54.94	Fe Iron 26 55.85	Co Cobalt 27 58.93	Ni Nickel 28 58.69	Cu Copper 29 63.55	Zn Zinc 30 65.39	Ga Gallium 31 69.72	Ge Germanium 32 72.59	As Arsenic 33 74.92	Se Selenium 34 78.96	Br Bromine 35 79.90	Kr Krypton 36 83.80
Rb Rubidium 37 85.47	Sr Strontium 38 87.62	Y Yttrium 39 88.91	Zr Zirconium 40 91.22	Nb Niobium 41 92.91	Mo Molybdenum 42 95.94	Tc Technetium 43 (99)	Ru Ruthenium 44 101.1	Rh Rhodium 45 102.9	Pd Palladium 46 106.4	Ag Silver 47 107.9	Cd Cadmium 48 112.4	In Indium 49 114.8	Sn Tin 50 118.7	Sb Antimony 51 121.8	Te Tellurium 52 127.6	I Iodine 53 126.9	Xe Xenon 54 131.3
Cs Cesium 55 132.9	Ba Barium 56 137.3	La Lanthanum 57 138.9	Hf Hafnium 72 178.5	Ta Tantalum 73 180.9	W Tungsten 74 183.9	Re Rhenium 75 186.2	Os Osmium 76 190.2	Ir Iridium 77 192.2	Pt Platinum 78 195.1	Au Gold 79 197.0	Hg Mercury 80 200.6	Tl Thallium 81 204.4	Pb Lead 82 207.2	Bi Bismuth 83 209.0	Po Polonium 84 (210)	At Astatine 85 (210)	Rn Radon 86 (222)
Fr Francium 87 (223)	Ra Radium 88 (226)	Ac Actinium 89 (227)	Rf Rutherfordium 104 (261)	Db Dubnium 105 (262)	Sg Seaborgium 106 (2263)	Bh Bohrium 107 (262)	Hs Hassium 108 (265)	Mt Meitnerium 109 (266)	Ds Darmstadtium 110 (269)	Rg Roentgenium 111 (272)	Cn Copernicium 112 (277)	113 (286)	Fl Flerovium 114 (289)	115 (288)	Lv Livermorium 116 (292)	117 (294)	118 (294)

Lanthanides →	Ce Cerium 58 140.1	Pr Praseodymium 59 140.9	Nd Neodymium 60 144.2	Pm Promethium 61 (147)	Sm Samarium 62 150.4	Eu Europium 63 152.0	Gd Gadolinium 64 157.3	Tb Terbium 65 158.9	Dy Dysprosium 66 162.5	Ho Holmium 67 164.9	Er Erbium 68 167.3	Tm Thulium 69 168.9	Yb Ytterbium 70 173.0	Lu Lutetium 71 175.0
Actinides →	Th Thorium 90 232.0	Pa Protactinium 91 (231)	U Uranium 92 238.0	Np Neptunium 93 (237)	Pu Plutonium 94 (242)	Am Americium 95 (243)	Cm Curium 96 (247)	Bk Berkelium 97 (247)	Cf Californium 98 (249)	Es Einsteinium 99 (254)	Fm Fermium 100 (253)	Mv Mendelevium 101 (256)	No Nobelium 102 (253)	Lr Lawrencium 103 (257)