

Period	1
1	1.00794 H ⁺¹ ₋₁

Periodic Table of the Elements

Group		1	2
2	Li	6.941 3 2-1	Be 9.01218 4 2-2
3	Na 11 2-8-1	22.98977 12 2-8-2	Mg 24.305 +1 +2
4	K 19 2-8-8-1	39.0983 20 2-8-8-2	Ca 40.08 +2 Sc 44.9559 +3 Ti 47.867 +2 V 50.9415 +3 Cr 51.996 +3 Mn 54.9380 +2 Fe 55.845 +3 Co 58.9332 +2 Ni 58.693 +3 Cu 63.546 +1 Zn 65.409 +2 Ga 69.723 +3 Ge 72.64 +2 As 74.9216 +3 Se 78.96 -2 Br 79.904 -1 Kr 83.798 +2
5	Rb 37 2-8-18-8-1	85.4678 38 2-8-18-8-2	Sr 87.62 +2 Y 88.9059 +3 Zr 91.224 +4 Nb 92.9064 +3 Mo 95.94 +6 Tc (98) 101.07 +3 Ru 102.906 +3 Rh 106.42 +2 Pd 107.868 +1 Ag 112.41 +2 Cd 114.818 +3 In 118.71 +2 Sn 121.760 -3 Sb 127.60 -2 Te 126.904 -1 I 131.29 +2 Xe 137.98 +6
6	Cs 55 2-8-18-18-8-1	132.905 56 2-8-18-18-8-2	Ba 137.33 +2 La 138.9055 +3 Hf 178.49 +4 Ta 180.948 +5 W 183.84 +6 Re 186.207 +4 Os 190.23 +3 Ir 192.217 +3 Pt 195.08 +2 Au 196.967 +1 Hg 200.59 +2 Tl 204.383 +1 Pb 207.2 +2 Bi 208.980 +3 Po (209) +2 At (210) +4 Rn (222) 0
7	Fr 87 -18-32-18-8-1	(223) +1 (226) +2 (227) +3 (261) +4 (262) Rf 104 -18-32-18-8-2	Ra 88 -18-32-18-8-2 Ac 89 -18-32-18-9-2 Db 105 Bh 106 Hs 107 Mt 108 Ds 109 Rg 110 Cn 111 Uut 113** Uuo 114 Uuh 115 Uus 116 Uuo 117 Uuo 118

KEY

Atomic Mass → 12.011 ← Selected Oxidation States
 Symbol → C
 Atomic Number → 6
 Electron Configuration → 2-4

Relative atomic masses are based on $^{12}\text{C} = 12$ (exact)

Note: Numbers in parentheses are mass numbers of the most stable or common isotope.

Group		13	14	15	16	17	18
10.81	B 5 2-3	12.011 6 2-4	-4 +2 +4	14.0067 7 2-5	15.9994 8 2-6	18.9984 9 2-7	20.180 Ne 10 2-8
26.98154	Al 13 2-8-3	28.0855 14 2-8-4	-4 +2 +4	30.97376 15 2-8-5	32.065 16 2-8-6	35.453 17 2-8-7	39.948 Ar 18 2-8-8
40.07043	Si 14 2-8-4	42.0111 15 2-8-5	-3 +3 +5	44.0127 16 2-8-6	46.0656 17 2-8-7	49.9442 Cl 18 2-8-8	50.9440 Ar 18 2-8-8
54.9380	Cu 29 2-8-18-1	55.9855 30 2-8-18-2	+2 +3	56.9355 31 2-8-18-3	57.9149 32 2-8-18-4	59.9442 As 33 2-8-18-5	60.9460 Se 34 2-8-18-6
65.409	Zn 30 2-8-18-2	66.9355 31 2-8-18-3	+2 +3	67.8744 32 2-8-18-4	68.96 -2 +4 +6	70.904 Br 35 2-8-18-7	71.9890 Kr 36 2-8-18-8
76.9355	Ga 32 2-8-18-4	77.9149 33 2-8-18-5	+2 +3	78.96 -2 +4 +6	79.904 Br 35 2-8-18-7	80.9442 I 53 2-8-18-8-7	81.9890 Xe 54 2-8-18-8
86.9055	Ge 33 2-8-18-5	87.9149 34 2-8-18-6	+2 +3	88.96 -2 +4 +6	89.904 Br 35 2-8-18-7	90.9442 Te 53 2-8-18-8-7	91.9890 Kr 36 2-8-18-8
92.9064	In 34 2-8-18-6	93.9149 35 2-8-18-7	+2 +3	94.96 -2 +4 +6	95.904 Br 35 2-8-18-7	96.9442 Sb 52 2-8-18-8-6	97.9890 Kr 36 2-8-18-8
102.906	Sn 50 2-8-18-8-4	103.9149 51 2-8-18-8-5	+2 +3	104.96 -2 +4 +6	105.904 Br 35 2-8-18-7	106.9442 Te 53 2-8-18-8-7	107.9890 Kr 36 2-8-18-8
106.42	Pd 46 2-8-18-18-1	107.9149 47 2-8-18-18-2	+2 +3	108.96 -2 +4 +6	109.904 Br 35 2-8-18-7	110.9442 At 85 2-8-18-8-7	111.9890 Rn 86 2-8-18-8
107.868	Ag 47 2-8-18-18-1	108.9149 48 2-8-18-18-2	+1 +2	109.96 -1 +2 +3	110.904 Br 35 2-8-18-7	111.9442 Rn 86 2-8-18-8	112.9890 Kr 36 2-8-18-8
112.41	Cd 48 2-8-18-18-2	113.9149 49 2-8-18-18-3	+2 +3	114.96 -2 +4 +6	115.904 Br 35 2-8-18-7	116.9442 Uus 117 2-8-18-8-7	117.9890 Kr 36 2-8-18-8
114.818	In 49 2-8-18-18-3	115.9149 50 2-8-18-18-4	+3	116.96 -3 +4 +6	117.904 Br 35 2-8-18-7	118.9442 Uuo 118 2-8-18-8	119.9890 Kr 36 2-8-18-8
118.71	Sn 50 2-8-18-18-4	119.9149 51 2-8-18-18-5	+2 +3	120.96 -2 +4 +6	121.904 Br 35 2-8-18-7	122.9442 Rn 118 2-8-18-8	123.9890 Kr 36 2-8-18-8
121.760	Sb 52 2-8-18-18-6	122.9149 53 2-8-18-18-7	+3	123.96 -3 +4 +6	124.904 Br 35 2-8-18-7	125.9442 Rn 118 2-8-18-8	126.9890 Kr 36 2-8-18-8
127.60	Te 53 2-8-18-18-7	128.9149 54 2-8-18-18-8	+2 +3	129.96 -2 +4 +6	130.904 Br 35 2-8-18-7	131.9442 Rn 118 2-8-18-8	132.9890 Kr 36 2-8-18-8
126.904	Br 53 2-8-18-18-7	127.9149 54 2-8-18-18-8	+1	128.96 -1 +2 +3	129.904 Br 35 2-8-18-7	130.9442 Rn 118 2-8-18-8	131.9890 Kr 36 2-8-18-8
132.905	Po 84 -18-32-18-6	133.9149 85 -18-32-18-7	+2 +3	134.96 -2 +4 +6	135.904 Br 35 2-8-18-7	136.9442 Rn 86 -18-32-18-8	137.9890 Kr 36 -18-32-18-8
137.33	At 85 -18-32-18-7	138.9149 86 -18-32-18-8	+2 +3	139.96 -2 +4 +6	140.904 Br 35 2-8-18-7	141.9442 Rn 86 -18-32-18-8	142.9890 Kr 36 -18-32-18-8
138.9055	Rn 86 -18-32-18-8	139.9149 87 -18-32-18-9-1	+3	140.96 -3 +4 +6	141.904 Br 35 2-8-18-7	142.9442 Rn 87 -18-32-18-9-1	143.9890 Kr 36 -18-32-18-9-1

140.116 Ce 58	+3 +4	140.908 Pr 59	+3	144.24 Nd 60	+3	(145) Pm 61	+3	150.36 Sm 62	+2 +3	151.964 Eu 63	+2 +3	157.25 Gd 64	+3	158.925 Tb 65	+3	162.500 Dy 66	+3	164.930 Ho 67	+3	167.259 Er 68	+3	168.934 Tm 69	+3	173.04 Yb 70	+3	174.9668 Lu 71	+3
232.038 Th 90	+4	231.036 Pa 91	+4 +5	238.029 U 92	+3 +4 +5 +6	(237) Np 93	+3 +4 +5 +6	(244) Pu 94	+3 +4 +5 +6	(243) Am 95	+3 +4 +5 +6	(247) Cm 96	+3	(247) Bk 97	+3 +4	(251) Cf 98	+3	(252) Es 99	+3	(257) Fm 100	+3	(258) Md 101	+2 +3	(259) No 102	+2 +3	(262) Lr 103	+3

*denotes the presence of (2-8-) for elements 72 and above

**The systematic names and symbols for elements of atomic numbers 113 and above will be used until the approval of trivial names by IUPAC.