

1 H 1.0 2.1	2 He 4.0 2.0											13 B 10.8 2.0	14 C 12.0 2.5	15 N 14.0 3.0	16 O 16.0 3.5	17 F 19.0 4.0	18 Ne 20.2 4.0
3 Li 6.9 1.0	4 Be 9.0 1.5											5 Al 27.0 1.5	6 Si 28.1 1.8	7 P 31.0 2.1	8 S 32.1 2.5	9 Cl 35.5 3.0	10 Ar 40.0 3.0
11 Na 23.0 0.9	12 Mg 24.3 1.2	21 Sc 45.0 1.3	22 Ti 47.9 1.5	23 V 50.9 1.6	24 Cr 52.0 1.6	25 Mn 54.9 1.5	26 Fe 55.9 1.8	27 Co 58.9 1.8	28 Ni 58.7 1.9	29 Cu 63.6 1.9	30 Zn 65.4 1.6	31 Ga 69.7 1.6	32 Ge 72.6 1.8	33 As 74.9 2.0	34 Se 79.0 2.4	35 Br 79.9 2.8	36 Kr 83.8 3.6
19 K 39.1 0.8	20 Ca 40.1 1.0	39 Y 88.9 1.3	40 Zr 91.2 1.4	41 Nb 92.9 1.6	42 Mo 95.9 1.8	43 Tc 98.9 1.9	44 Ru 101.1 2.2	45 Rh 102.9 2.2	46 Pd 106.4 2.2	47 Ag 107.9 1.9	48 Cd 112.4 1.7	49 In 114.8 1.7	50 Sn 118.7 1.8	51 Sb 121.8 1.9	52 Te 127.6 2.1	53 I 126.9 2.5	54 Xe 131.3 2.6
37 Rb 85.5 0.8	38 Sr 87.6 1.0	71 Lu 174.5 1.2	72 Hf 178.5 1.3	73 Ta 181.0 1.5	74 W 183.9 1.7	75 Re 186.2 1.9	76 Os 190.2 2.2	77 Ir 192.2 2.2	78 Pt 195.1 2.2	79 Au 197.0 2.4	80 Hg 200.6 1.9	81 Tl 204.4 1.8	82 Pb 207.2 1.8	83 Bi 210.0 1.9	84 Po [209] 2.0	85 At [210] 2.2	86 Rn [222] 2.6
55 Cs 132.9 0.7	56 Ba 137.3 0.9	103 Lr [260]	104 Rf [261]	105 Db [262]	106 Sg [266]	107 Bh [264]	108 Hs [269]	109 Mt [268]	110 Uun [269,271]	111 Uuu [272]	112 Uub [277]	113 Uuq [289]	114 Uuh [289]	115 Uuq [289]	116 Uuh [289]	117 Uuh [289]	118 Uuo [293]
87 Fr [223]	88 Ra 226.03 0.9																

Atomic Number

8

Valence

(most common first)

Symbol of Element

O

Atomic Mass

16.0

3.5

Electronegativity

57 La 138.9 1.1	58 Ce 140.1 1.1	59 Pr 140.9 1.1	60 Nd 144.2 1.2	61 Pm [145] 0.0	62 Sm 150.4 1.2	63 Eu 152.0 1.1	64 Gd 157.3 1.1	65 Tb 158.9 1.2	66 Dy 162.5 1.2	67 Ho 164.3 1.2	68 Er 167.3 1.2	69 Tm 168.9 1.2	70 Yb 173.0 1.1
89 Ac 227.0 1.1	90 Th 232.0 1.3	91 Pa 231.0 1.5	92 U 238.0 1.7	93 Np [237] 1.3	94 Pu [244] 1.3	95 Am [243] 1.3	96 Cm [247] 1.3	97 Bk [247] 1.3	98 Cf [251] 1.3	99 Es [252] 1.3	100 Fm [257] 1.3	101 Md [258] 1.3	102 No [259] 1.3