

1 1+ H 1.01 2.1																	18 2 He 4.00
3 1+ Li 6.94 1.0	4 2+ Be 9.01 1.5											13 5 3+ B 10.81 1.5	14 6 2+ C 12.01 2.5	15 7 3- N 14.01 3.0	16 8 2- O 16.00 3.5	17 9 1- F 19.00 4.0	10 Ne 20.18
11 1+ Na 22.99 0.9	12 2+ Mg 24.31 1.2											13 Al 26.98 1.5	14 Si 28.09 1.8	15 P 30.97 2.1	16 S 32.07 2.5	17 Cl 35.45 3.0	18 Ar 39.95
19 1+ K 39.10 0.8	20 2+ Ca 40.08 1.0	21 3+ Sc 44.96 1.3	22 4+,3+ Ti 47.87 1.5	23 5+,4+ V 50.94 1.6	24 3+,2+ Cr 52.00 1.6	25 2+,4+ Mn 54.94 1.5	26 3+,2+ Fe 55.85 1.8	27 2+,3+ Co 58.93 1.8	28 2+,3+ Ni 58.69 1.8	29 2+,1+ Cu 63.55 1.9	30 2+ Zn 65.41 1.6	31 3+ Ga 69.72 1.6	32 4+ Ge 72.64 1.8	33 3- As 74.92 2.0	34 2- Se 78.96 2.4	35 1- Br 79.90 2.8	36 Kr 83.80
37 1+ Rb 85.47 0.8	38 2+ Sr 87.62 1.0	39 3+ Y 88.91 1.2	40 4+ Zr 91.22 1.4	41 5+,3+ Nb 92.91 1.6	42 6+ Mo 95.94 1.8	43 7+ Tc [98] 1.9	44 3+,4+ Ru 101.07 2.2	45 3+ Rh 102.91 2.2	46 2+,4+ Pd 106.4 2.2	47 1+ Ag 107.87 1.9	48 2+ Cd 112.41 1.7	49 3+ In 114.82 1.7	50 4+,2+ Sn 118.71 1.8	51 3+,5+ Sb 121.76 1.9	52 2- Te 127.60 2.1	53 1- I 126.90 2.5	54 Xe 131.29
55 1+ Cs 132.91 0.7	56 2+ Ba 137.33 0.9	71 3+ Lu 174.97 1.1	72 4+ Hf 178.49 1.3	73 5+ Ta 180.95 1.5	74 6+ W 183.84 1.7	75 7+ Re 186.21 1.9	76 4+ Os 190.23 2.2	77 4+ Ir 192.22 2.2	78 4+,2+ Pt 195.08 2.2	79 3+,1+ Au 196.97 2.4	80 2+,1+ Hg 200.59 1.9	81 1+,3+ Tl 204.38 1.8	82 2+,4+ Pb 207.20 1.8	83 3+,5+ Bi 208.98 1.9	84 2+,4+ Po [209] 2.0	85 1- At [210] 2.2	86 Rn [222]
87 1+ Fr [223] 0.7	88 2+ Ra [226] 0.9	103 3+ Lr [262]	104 Rf [267]	105 Db [268]	106 Sg [271]	107 Bh [272]	108 Hs [277]	109 Mt [276]	110 Ds [281]	111 Rg [280]	112 Cn [285]	113 Uut [284]	114 Uuq [289]	115 Uup [288]	116 Uuh [293]	117 Uus [294]	118 Uuo [294]

Atomic Number

8

2-

Ion Charge  
(most common first)

O

Symbol of Element

Atomic Mass

16.00

3.5

Electronegativity

57 3+,2+ La 138.91 1.1	58 3+ Ce 140.12 1.1	59 3+ Pr 140.91 1.1	60 3+ Nd 144.24 1.1	61 3+ Pm [145] 1.1	62 3+,2+ Sm 150.36 1.1	63 3+,2+ Eu 151.96 1.1	64 3+ Gd 157.25 1.1	65 3+ Tb 158.93 1.1	66 3+ Dy 162.50 1.1	67 3+ Ho 164.93 1.1	68 3+ Er 167.26 1.1	69 3+ Tm 168.93 1.1	70 3+,2+ Yb 173.04 1.1
89 3+,2+ Ac [227] 1.1	90 4+ Th 232.04 1.3	91 5+,4+ Pa 231.04 1.5	92 6+,4+ U 238.03 1.7	93 5+ Np [237] 1.3	94 4+,6+ Pu [244] 1.3	95 3+,4+ Am [243] 1.3	96 3+ Cm [247] 1.3	97 3+,4+ Bk [247] 1.3	98 3+ Cf [251] 1.3	99 3+ Es [252] 1.3	100 3+ Fm [257] 1.3	101 2+,3+ Md [258] 1.3	102 2+,3+ No [259] 1.3