

The Modern Periodic Table of the Elements

1+ 1 **s** p 18

1 Hydrogen 1 **H** 1.01 2.1 **1s** 2+ 2 Helium 2 **He** 4.00 **1s** ---

2 Lithium 3 **Li** 6.94 1.0 Beryllium 4 **Be** 9.01 1.5 **2s** 3+ 4- 3- 2- 1- 13 14 15 16 17 Boron 5 **B** 10.81 2.0 Carbon 6 **C** 12.01 2.5 Nitrogen 7 **N** 14.01 3.0 Oxygen 8 **O** 16.00 3.5 Fluorine 9 **F** 19.00 4.0 Neon 10 **Ne** 20.18 ---

3 Sodium 11 **Na** 22.99 0.9 Magnesium 12 **Mg** 24.31 1.2 **3s** 3+ 4- 3- 2- 1- 13 14 15 16 17 Aluminum 13 **Al** 26.98 1.5 Silicon 14 **Si** 28.09 1.8 Phosphorus 15 **P** 30.97 2.1 Sulfur 16 **S** 32.07 2.5 Chlorine 17 **Cl** 35.45 3.0 Argon 18 **Ar** 39.95 ---

4 Potassium 19 **K** 39.10 0.8 Calcium 20 **Ca** 40.08 1.0 **4s** 3+ 4- 3- 2- 1- 13 14 15 16 17 Scandium 21 **Sc** 44.96 1.3 Titanium 22 **Ti** 47.88 1.5 Vanadium 23 **V** 50.94 1.6 Chromium 24 **Cr** 52.00 1.6 Manganese 25 **Mn** 54.94 1.5 Iron 26 **Fe** 55.85 1.8 Cobalt 27 **Co** 58.93 1.8 Nickel 28 **Ni** 58.69 1.8 Copper 29 **Cu** 63.55 1.9 Zinc 30 **Zn** 65.39 1.6 Gallium 31 **Ga** 69.72 1.6 Germanium 32 **Ge** 72.61 1.8 Arsenic 33 **As** 74.92 2.0 Selenium 34 **Se** 78.96 2.4 Bromine 35 **Br** 79.90 2.8 Krypton 36 **Kr** 83.80 3.0

5 Rubidium 37 **Rb** 85.47 0.8 Strontium 38 **Sr** 87.62 1.0 **5s** 3+ 4- 3- 2- 1- 13 14 15 16 17 Yttrium 39 **Y** 88.91 1.2 Zirconium 40 **Zr** 91.22 1.4 Niobium 41 **Nb** 92.91 1.6 Molybdenum 42 **Mo** 95.94 1.8 Technetium 43 **Tc** (98) 1.9 Ruthenium 44 **Ru** 101.07 2.2 Rhodium 45 **Rh** 102.91 2.2 Palladium 46 **Pd** 106.42 2.2 Silver 47 **Ag** 107.87 1.9 Cadmium 48 **Cd** 112.41 1.7 Indium 49 **In** 114.82 1.7 Tin 50 **Sn** 118.71 1.8 Antimony 51 **Sb** 121.76 1.9 Tellurium 52 **Te** 127.60 2.1 Iodine 53 **I** 126.90 2.5 Xenon 54 **Xe** 131.29 2.6

6 Cesium 55 **Cs** 132.91 0.7 Barium 56 **Ba** 137.33 0.9 **6s** 57-70 * Lanthanides Lutetium 71 **Lu** 174.97 1.1 Hafnium 72 **Hf** 178.49 1.3 Tantalum 73 **Ta** 180.95 1.5 Tungsten 74 **W** 183.84 1.7 Rhenium 75 **Re** 186.21 1.9 Osmium 76 **Os** 190.23 2.2 Iridium 77 **Ir** 192.22 2.2 Platinum 78 **Pt** 195.08 2.2 Gold 79 **Au** 196.97 2.4 Mercury 80 **Hg** 200.59 1.9 Thallium 81 **Tl** 204.38 1.8 Lead 82 **Pb** 207.20 1.8 Bismuth 83 **Bi** 208.98 1.9 Polonium 84 **Po** (209) 2.0 Astatine 85 **At** (210) 2.2 Radon 86 **Rn** (222) 2.4

7 Francium 87 **Fr** (223) 0.7 Radium 88 **Ra** (226) 0.9 **7s** 89-102 ** Actinides Lawrencium 103 **Lr** (262) --- Rutherfordium 104 **Rf** (261) --- Dubnium 105 **Db** (262) --- Seaborgium 106 **Sg** (266) --- Bohrium 107 **Bh** (264) --- Hassium 108 **Hs** (269) --- Meitnerium 109 **Mt** (268) --- Darmstadtium 110 **Ds** (271) --- Roentgenium 111 **Rg** (272) --- Copernicium 112 **Cn** (277) --- Nihonium 113 **Nh** (284) --- Flerovium 114 **Fl** (289) --- Moscovium 115 **Mc** (288) --- Livermorium 116 **Lv** (293) --- Tennessine 117 **Ts** (294) --- Oganesson 118 **Og** (294) ---

d **f**

*lanthanides **f** 6

Lanthanum 57 La 138.91 1.1	Cerium 58 Ce 140.12 1.1	Praseodymium 59 Pr 140.91 1.1	Neodymium 60 Nd 144.24 1.1	Promethium 61 Pm (145) 1.1	Samarium 62 Sm 150.36 1.2	Europium 63 Eu 151.97 1.1	Gadolinium 64 Gd 157.25 1.2	Terbium 65 Tb 158.93 1.1	Dysprosium 66 Dy 162.50 1.2	Holmium 67 Ho 164.93 1.2	Erbium 68 Er 167.26 1.2	Thulium 69 Tm 168.93 1.3	Ytterbium 70 Yb 173.04 1.1
Actinium 89 Ac (227) 1.1	Thorium 90 Th 232.04 1.3	Protactinium 91 Pa 231.04 1.5	Uranium 92 U 238.03 1.4	Neptunium 93 Np (237) 1.4	Plutonium 94 Pu (244) 1.3	Americium 95 Am (243) 1.3	Curium 96 Cm (247) 1.3	Berkelium 97 Bk (247) 1.3	Californium 98 Cf (251) 1.3	Einsteinium 99 Es (252) 1.3	Fermium 100 Fm (257) 1.3	Mendelevium 101 Md (258) 1.3	Nobelium 102 No (259) 1.3

actinides **f 7

Average relative masses are rounded to two decimal places.

All average masses are to be treated as measured quantities, and subject to significant figure rules. Do not round them further when performing calculations.

Element name → Mercury

Atomic # → 80

Symbol → **Hg**

Avg. Mass → 200.59

Electronegativity → 1.9