

I	1 <b>H</b> 1.00794 Hydrogen																2 <b>He</b> 4.002602 Helium						
II	3 <b>Li</b> 6.941 Lithium	4 <b>Be</b> 9.012182 Beryllium																5 <b>B</b> 10.811 Boron	6 <b>C</b> 12.0107 Carbon	7 <b>N</b> 14.0067 Nitrogen	8 <b>O</b> 15.9994 Oxygen	9 <b>F</b> 18.9984032 Fluorine	10 <b>Ne</b> 20.1797 Neon
III	11 <b>Na</b> 22.98976928 Sodium	12 <b>Mg</b> 24.3050 Magnesium																13 <b>Al</b> 26.9815386 Aluminum	14 <b>Si</b> 28.0855 Silicon	15 <b>P</b> 30.973762 Phosphorus	16 <b>S</b> 32.065 Sulfur	17 <b>Cl</b> 35.453 Chlorine	18 <b>Ar</b> 39.948 Argon
IV	19 <b>K</b> 39.0983 Potassium	20 <b>Ca</b> 40.078 Calcium	21 <b>Sc</b> 44.955912 Scandium	22 <b>Ti</b> 47.867 Titanium	23 <b>V</b> 50.9415 Vanadium	24 <b>Cr</b> 51.9961 Chromium	25 <b>Mn</b> 54.938045 Manganese	26 <b>Fe</b> 55.845 Iron	27 <b>Co</b> 58.933195 Cobalt	28 <b>Ni</b> 58.6934 Nickel	29 <b>Cu</b> 63.546 Copper	30 <b>Zn</b> 65.38 Zinc	31 <b>Ga</b> 69.723 Gallium	32 <b>Ge</b> 72.64 Germanium	33 <b>As</b> 74.92160 Arsenic	34 <b>Se</b> 78.96 Selenium	35 <b>Br</b> 79.904 Bromine	36 <b>Kr</b> 83.798 Krypton					
V	37 <b>Rb</b> 85.4678 Rubidium	38 <b>Sr</b> 87.62 Strontium	39 <b>Y</b> 88.90585 Yttrium	40 <b>Zr</b> 91.224 Zirconium	41 <b>Nb</b> 92.90638 Niobium	42 <b>Mo</b> 95.96 Molybdenum	43 <b>Tc</b> [98] Technetium	44 <b>Ru</b> 101.07 Ruthenium	45 <b>Rh</b> 102.90550 Rhodium	46 <b>Pd</b> 106.42 Palladium	47 <b>Ag</b> 107.8682 Silver	48 <b>Cd</b> 112.411 Cadmium	49 <b>In</b> 114.818 Indium	50 <b>Sn</b> 118.710 Tin	51 <b>Sb</b> 121.760 Antimony	52 <b>Te</b> 127.60 Tellurium	53 <b>I</b> 126.90447 Iodine	54 <b>Xe</b> 131.293 Xenon					
VI	55 <b>Cs</b> 132.9054519 Cesium	56 <b>Ba</b> 137.327 Barium	71 <b>Lu</b> 174.9668 Lutetium	72 <b>Hf</b> 178.49 Hafnium	73 <b>Ta</b> 180.94788 Tantalum	74 <b>W</b> 183.84 Tungsten	75 <b>Re</b> 186.207 Rhenium	76 <b>Os</b> 190.23 Osmium	77 <b>Ir</b> 192.217 Iridium	78 <b>Pt</b> 195.084 Platinum	79 <b>Au</b> 196.966569 Gold	80 <b>Hg</b> 200.59 Mercury	81 <b>Tl</b> 204.3833 Thallium	82 <b>Pb</b> 207.2 Lead	83 <b>Bi</b> 208.98040 Bismuth	84 <b>Po</b> [209] Polonium	85 <b>At</b> [210] Astatine	86 <b>Rn</b> [222] Radon					
VII	87 <b>Fr</b> [223] Francium	88 <b>Ra</b> [226] Radium	103 <b>Lr</b> [262] Lawrencium	104 <b>Rf</b> [267] Rutherfordium	105 <b>Db</b> [268] Dubnium	106 <b>Sg</b> [271] Seaborgium	107 <b>Bh</b> [272] Bohrium	108 <b>Hs</b> [270] Hassium	109 <b>Mt</b> [276] Meitnerium	110 <b>Ds</b> [281] Darmstadtium	111 <b>Rg</b> [280] Roentgenium	112 <b>Cn</b> [285] Copernicium	113 <b>Nh</b> [284] Nihonium	114 <b>Fl</b> [289] Flerovium	115 <b>Mc</b> [288] Moscovium	116 <b>Lv</b> [293] Livermorium	117 <b>Ts</b> [294] Tennessine	118 <b>Og</b> [294] Oganesson					
LA			57 <b>La</b> 138.90547 Lanthanum	58 <b>Ce</b> 140.116 Cerium	59 <b>Pr</b> 140.90765 Praseodymium	60 <b>Nd</b> 144.242 Neodymium	61 <b>Pm</b> [145] Promethium	62 <b>Sm</b> 150.36 Samarium	63 <b>Eu</b> 151.964 Europium	64 <b>Gd</b> 157.25 Gadolinium	65 <b>Tb</b> 158.92535 Terbium	66 <b>Dy</b> 162.500 Dysprosium	67 <b>Ho</b> 164.93032 Holmium	68 <b>Er</b> 167.259 Erbium	69 <b>Tm</b> 168.93421 Thulium	70 <b>Yb</b> 173.054 Ytterbium							
AC			89 <b>Ac</b> [227] Actinium	90 <b>Th</b> 232.03806 Thorium	91 <b>Pa</b> 231.03588 Protactinium	92 <b>U</b> 238.02891 Uranium	93 <b>Np</b> [237] Neptunium	94 <b>Pu</b> [244] Plutonium	95 <b>Am</b> [243] Americium	96 <b>Cm</b> [247] Curium	97 <b>Bk</b> [247] Berkelium	98 <b>Cf</b> [251] Californium	99 <b>Es</b> [252] Einsteinium	100 <b>Fm</b> [257] Fermium	101 <b>Md</b> [258] Mendelevium	102 <b>No</b> [259] Nobelium							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				