

# Periodic Table of the Elements

1 <b>H</b> 1.008 Hydrogen																	2 <b>He</b> 4.003 Helium
3 <b>Li</b> 6.941 Lithium	4 <b>Be</b> 9.012 Beryllium											5 <b>B</b> 10.811 Boron	6 <b>C</b> 12.011 Carbon	7 <b>N</b> 14.007 Nitrogen	8 <b>O</b> 15.999 Oxygen	9 <b>F</b> 18.998 Fluorine	10 <b>Ne</b> 20.180 Neon
11 <b>Na</b> 22.990 Sodium	12 <b>Mg</b> 24.305 Magnesium											13 <b>Al</b> 26.982 Aluminum	14 <b>Si</b> 28.086 Silicon	15 <b>P</b> 30.974 Phosphorus	16 <b>S</b> 32.066 Sulfur	17 <b>Cl</b> 35.453 Chlorine	18 <b>Ar</b> 39.948 Argon
19 <b>K</b> 39.098 Potassium	20 <b>Ca</b> 40.078 Calcium	21 <b>Sc</b> 44.956 Scandium	22 <b>Ti</b> 47.88 Titanium	23 <b>V</b> 50.942 Vanadium	24 <b>Cr</b> 51.996 Chromium	25 <b>Mn</b> 54.938 Manganese	26 <b>Fe</b> 55.933 Iron	27 <b>Co</b> 58.933 Cobalt	28 <b>Ni</b> 58.693 Nickel	29 <b>Cu</b> 63.546 Copper	30 <b>Zn</b> 65.39 Zinc	31 <b>Ga</b> 69.732 Gallium	32 <b>Ge</b> 72.61 Germanium	33 <b>As</b> 74.922 Arsenic	34 <b>Se</b> 78.09 Selenium	35 <b>Br</b> 79.904 Bromine	36 <b>Kr</b> 84.80 Krypton
37 <b>Rb</b> 84.468 Rubidium	38 <b>Sr</b> 87.62 Strontium	39 <b>Y</b> 88.906 Yttrium	40 <b>Zr</b> 91.224 Zirconium	41 <b>Nb</b> 92.906 Niobium	42 <b>Mo</b> 95.94 Molibdenum	43 <b>Tc</b> 98.907 Technetium	44 <b>Ru</b> 101.07 Ruthenium	45 <b>Rh</b> 102.906 Rhodium	46 <b>Pd</b> 106.42 Palladium	47 <b>Ag</b> 107.868 Silver	48 <b>Cd</b> 112.411 Cadmium	49 <b>In</b> 114.818 Indium	50 <b>Sn</b> 118.71 Tin	51 <b>Sb</b> 121.760 Antimony	52 <b>Te</b> 127.6 Tellurium	53 <b>I</b> 126.904 Iodine	54 <b>Xe</b> 131.29 Xenon
55 <b>Cs</b> 132.905 Cesium	56 <b>Ba</b> 137.327 Barium	57-71 Lanthanide Series	72 <b>Hf</b> 178.49 Hafnium	73 <b>Ta</b> 180.948 Tantalum	74 <b>W</b> 183.85 Tungsten	75 <b>Re</b> 186.207 Rhenium	76 <b>Os</b> 190.23 Osmium	77 <b>Ir</b> 192.22 Iridium	78 <b>Pt</b> 195.08 Platinum	79 <b>Au</b> 196.967 Gold	80 <b>Hg</b> 200.59 Mercury	81 <b>Tl</b> 204.383 Thallium	82 <b>Pb</b> 207.2 Lead	83 <b>Bi</b> 208.980 Bismuth	84 <b>Po</b> [208.982] Polonium	85 <b>At</b> 209.987 Astatine	86 <b>Rn</b> 222.018 Radon
87 <b>Fr</b> 223.020 Francium	88 <b>Ra</b> 226.025 Radium	89-103 Actinide Series	104 <b>Rf</b> [261] Rutherfordium	105 <b>Db</b> [262] Dubnium	106 <b>Sg</b> [266] Seaborgium	107 <b>Bh</b> [264] Bohrium	108 <b>Hs</b> [269] Hassium	109 <b>Mt</b> [268] Meitnerium	110 <b>Ds</b> [269] Darmstadtium	111 <b>Rg</b> [272] Roentgenium	112 <b>Cn</b> [277] Copernicium	113 <b>Uut</b> unknown Ununtrium	114 <b>Fl</b> [289] Flerovium	115 <b>Uup</b> unknown Ununpentium	116 <b>Lv</b> [298] Livermorium	117 <b>Uus</b> unknown Ununseptium	118 <b>Uuo</b> unknown Ununoctium

Atomic Number: 79  
 Element Symbol: Au  
 Atomic Mass: 196.967  
 Element Name: Gold

Number of Electrons In Shells: 2, 8, 18, 32, 18, 1

57 <b>La</b> 138.906 Lanthanum	58 <b>Ce</b> 140.115 Cerium	59 <b>Pr</b> 140.908 Praseodymium	60 <b>Nd</b> 144.24 Neodymium	61 <b>Pm</b> 144.913 Promethium	62 <b>Sm</b> 150.36 Samarium	63 <b>Eu</b> 151.966 Europium	64 <b>Gd</b> 157.25 Gadolinium	65 <b>Tb</b> 158.925 Terbium	66 <b>Dy</b> 162.50 Dysprosium	67 <b>Ho</b> 164.930 Holmium	68 <b>Er</b> 167.26 Erbium	69 <b>Tm</b> 168.934 Thulium	70 <b>Yb</b> 173.04 Ytterbium	71 <b>Lu</b> 174.967 Lutetium
89 <b>Ac</b> 227.028 Actinium	90 <b>Th</b> 232.038 Thorium	91 <b>Pa</b> 231.036 Protactinium	92 <b>U</b> 238.029 Uranium	93 <b>Np</b> 237.048 Neptunium	94 <b>Pu</b> 244.064 Plutonium	95 <b>Am</b> 243.061 Americium	96 <b>Cm</b> 247.070 Curium	97 <b>Bk</b> 247.070 Berkelium	98 <b>Cf</b> 251.080 Californium	99 <b>Es</b> [254] Einsteinium	100 <b>Fm</b> 257.095 Fermium	101 <b>Md</b> 258.1 Mendelevium	102 <b>No</b> 259.101 Nobelium	103 <b>Lr</b> [262] Lawrencium