

# The Periodic Table of Elements

1 <b>H</b> HYDROGEN 1																	2 <b>He</b> HELIUM 4															
3 <b>Li</b> LITHIUM 7	4 <b>Be</b> BERYLLIUM 9																	5 <b>B</b> BORON 11	6 <b>C</b> CARBON 12	7 <b>N</b> NITROGEN 14	8 <b>O</b> OXYGEN 16	9 <b>F</b> FLUORINE 19	10 <b>Ne</b> NEON 20									
11 <b>Na</b> SODIUM 23	12 <b>Mg</b> MAGNESIUM 24																	13 <b>Al</b> ALUMINUM 27	14 <b>Si</b> SILICON 28	15 <b>P</b> PHOSPHORUS 31	16 <b>S</b> SULFUR 32	17 <b>Cl</b> CHLORINE 35	18 <b>Ar</b> ARGON 40									
<b>METALS</b>																		<b>NON-METALS</b>														
19 <b>K</b> POTASSIUM 39	20 <b>Ca</b> CALCIUM 40	21 <b>Sc</b> SCANDIUM 45	22 <b>Ti</b> TITANIUM 48	23 <b>V</b> VANADIUM 51	24 <b>Cr</b> CHROMIUM 52	25 <b>Mn</b> MANGANESE 55	26 <b>Fe</b> IRON 56	27 <b>Co</b> COBALT 59	28 <b>Ni</b> NICKEL 59	29 <b>Cu</b> COPPER 64	30 <b>Zn</b> ZINC 65	31 <b>Ga</b> GALLIUM 70	32 <b>Ge</b> GERMANIUM 73	33 <b>As</b> ARSENIC 75	34 <b>Se</b> SELENIUM 79	35 <b>Br</b> BROMINE 80	36 <b>Kr</b> KRYPTON 84															
37 <b>Rb</b> RUBIDIUM 85	38 <b>Sr</b> STRONTIUM 88	39 <b>Y</b> YTTRIUM 89	40 <b>Zr</b> ZIRCONIUM 91	41 <b>Nb</b> NIOBIUM 93	42 <b>Mo</b> MOLYBDENUM 96	43 <b>Tc</b> TECHNETIUM 98	44 <b>Ru</b> RUTHENIUM 101	45 <b>Rh</b> RHODIUM 103	46 <b>Pd</b> PALLADIUM 106	47 <b>Ag</b> SILVER 108	48 <b>Cd</b> CADMIUM 112	49 <b>In</b> INDIUM 115	50 <b>Sn</b> TIN 119	51 <b>Sb</b> ANTIMONY 122	52 <b>Te</b> TELLURIUM 128	53 <b>I</b> IODINE 127	54 <b>Xe</b> XENON 131															
55 <b>Cs</b> CESIUM 133	56 <b>Ba</b> BARIUM 137																	72 <b>Hf</b> HAFNIUM 178	73 <b>Ta</b> TANTALUM 181	74 <b>W</b> TUNGSTEN 184	75 <b>Re</b> RHENIUM 186	76 <b>Os</b> OSMIUM 190	77 <b>Ir</b> IRIDIUM 192	78 <b>Pt</b> PLATINUM 195	79 <b>Au</b> GOLD 197	80 <b>Hg</b> MERCURY 201	81 <b>Tl</b> THALLIUM 204	82 <b>Pb</b> LEAD 207	83 <b>Bi</b> BISMUTH 209	84 <b>Po</b> POLONIUM 209	85 <b>At</b> ASTATINE 210	86 <b>Rn</b> RADON 222
87 <b>Fr</b> FRANCIUM 223	88 <b>Ra</b> RADIUM 226																	104 <b>Rf</b> RUTHERFORDIUM 263	105 <b>Db</b> DUBNIUM 268	106 <b>Sg</b> SEABORGIUM 271	107 <b>Bh</b> BOHRIUM 270	108 <b>Hs</b> HASSIUM 270	109 <b>Mt</b> MEITNERIUM 278	110 <b>Ds</b> DARMSTADIUM 281	111 <b>Rg</b> ROENTGENIUM 281	112 <b>Cn</b> COPERNICIUM 285	113 <b>Nh</b> NIHONIUM 286	114 <b>Fl</b> FLEROVIUM 289	115 <b>Mc</b> MOSCOVIUM 289	116 <b>Lv</b> LIVERMORIUM 293	117 <b>Ts</b> TENNESSINE 294	118 <b>Og</b> OGANESSON 294

6 ← **Atomic Number** = Number of Protons = Number of Electrons

**C** ← **Chemical Symbol**

**CARBON** ← **Chemical Name**

12 ← **Atomic Weight** = Number of Protons + Number of Neutrons\*

KEY	
	= Solid at room temperature
	= Liquid at room temperature
	= Gas at room temperature
	= Radioactive
	= Artificially Made

57 <b>La</b> LANTHANUM 139	58 <b>Ce</b> CERIUM 140	59 <b>Pr</b> PRASEODYMIUM 141	60 <b>Nd</b> NEODYMIUM 144	61 <b>Pm</b> PROMETHIUM 145	62 <b>Sm</b> SAMARIUM 150	63 <b>Eu</b> EUROPIUM 152	64 <b>Gd</b> GADOLINIUM 157	65 <b>Tb</b> TERBIUM 159	66 <b>Dy</b> DYSPROSIUM 163	67 <b>Ho</b> HOLMIUM 165	68 <b>Er</b> ERBIUM 167	69 <b>Tm</b> THULIUM 169	70 <b>Yb</b> YTTERBIUM 173	71 <b>Lu</b> LUTETIUM 175
89 <b>Ac</b> ACTINIUM 227	90 <b>Th</b> THORIUM 232	91 <b>Pa</b> PROTACTINIUM 231	92 <b>U</b> URANIUM 238	93 <b>Np</b> NEPTUNIUM 237	94 <b>Pu</b> PLUTONIUM 244	95 <b>Am</b> AMERICIUM 243	96 <b>Cm</b> CURIUM 247	97 <b>Bk</b> BERKELIUM 247	98 <b>Cf</b> CALIFORNIUM 251	99 <b>Es</b> EINSTEINIUM 252	100 <b>Fm</b> FERMIUM 257	101 <b>Md</b> MENDELEVIUM 258	102 <b>No</b> NOBELIUM 259	103 <b>Lr</b> LAWRENCIUM 262

\* The atomic weights listed on this Table of Elements have been rounded to the nearest whole number. As a result, this chart actually displays the **mass number** of a specific isotope for each element. An element's complete, unrounded atomic weight can be found on the It's Elemental website: <http://education.jlab.org/itselemental/>