

# Periodic Table of the Elements

## Natural State

1 <b>H<sub>2</sub></b> Hydrogen GAS																	2 <b>He</b> Helium GAS
3 <b>Li</b> Lithium BCC	4 <b>Be</b> Beryllium HEX											5 <b>B</b> Boron RHOM	6 <b>C</b> Carbon HEX	7 <b>N</b> Nitrogen GAS	8 <b>O</b> Oxygen GAS	9 <b>F</b> Fluorine GAS	10 <b>Ne</b> Neon GAS
11 <b>Na</b> Sodium BCC	12 <b>Mg</b> Magnesium HEX											13 <b>Al</b> Aluminum FCC	14 <b>Si</b> Silicon FCC	15 <b>P</b> Phosphorus CUBIC	16 <b>S</b> Sulfur ORTHO	17 <b>Cl</b> Chlorine GAS	18 <b>Ar</b> Argon GAS
19 <b>K</b> Potassium BCC	20 <b>Ca</b> Calcium FCC	21 <b>Sc</b> Scandium HEX	22 <b>Ti</b> Titanium HEX	23 <b>V</b> Vanadium BCC	24 <b>Cr</b> Chromium BCC	25 <b>Mn</b> Manganese BCC	26 <b>Fe</b> Iron BCC	27 <b>Co</b> Cobalt HEX	28 <b>Ni</b> Nickel FCC	29 <b>Cu</b> Copper FCC	30 <b>Zn</b> Zinc HEX	31 <b>Ga</b> Gallium ORTHO	32 <b>Ge</b> Germanium FCC	33 <b>As</b> Arsenic RHOM	34 <b>Se</b> Selenium HEX	35 <b>Br</b> Bromine LIQUID	36 <b>Kr</b> Krypton GAS
37 <b>Rb</b> Rubidium BCC	38 <b>Sr</b> Strontium FCC	39 <b>Y</b> Yttrium HEX	40 <b>Zr</b> Zirconium HEX	41 <b>Nb</b> Niobium BCC	42 <b>Mo</b> Molybdenum BCC	43 <b>Tc</b> Technetium HEX	44 <b>Ru</b> Ruthenium HEX	45 <b>Rh</b> Rhodium FCC	46 <b>Pd</b> Palladium FCC	47 <b>Ag</b> Silver FCC	48 <b>Cd</b> Cadmium HEX	49 <b>In</b> Indium TETRA	50 <b>Sn</b> Tin TETRA	51 <b>Sb</b> Antimony RHOM	52 <b>Te</b> Tellurium HEX	53 <b>I</b> Iodine ORTHO	54 <b>Xe</b> Xenon GAS
55 <b>Cs</b> Cesium BCC	56 <b>Ba</b> Barium BCC	57-71 Lanthanides	72 <b>Hf</b> Hafnium HEX	73 <b>Ta</b> Tantalum BCC	74 <b>W</b> Tungsten BCC	75 <b>Re</b> Rhenium HEX	76 <b>Os</b> Osmium HEX	77 <b>Ir</b> Iridium FCC	78 <b>Pt</b> Platinum FCC	79 <b>Au</b> Gold FCC	80 <b>Hg</b> Mercury LIQUID	81 <b>Tl</b> Thallium HEX	82 <b>Pb</b> Lead FCC	83 <b>Bi</b> Bismuth RHOM	84 <b>Po</b> Polonium CUBIC	85 <b>At</b> Astatine UNK	86 <b>Rn</b> Radon GAS
87 <b>Fr</b> Francium UNK	88 <b>Ra</b> Radium BCC	89-103 Actinides	104 <b>Rf</b> Rutherfordium UNK	105 <b>Db</b> Dubnium UNK	106 <b>Sg</b> Seaborgium UNK	107 <b>Bh</b> Bohrium UNK	108 <b>Hs</b> Hassium UNK	109 <b>Mt</b> Meitnerium UNK	110 <b>Ds</b> Darmstadtium UNK	111 <b>Rg</b> Roentgenium UNK	112 <b>Cn</b> Copernicium UNK	113 <b>Nh</b> Nihonium UNK	114 <b>Fl</b> Flerovium UNK	115 <b>Mc</b> Moscovium UNK	116 <b>Lv</b> Livermorium UNK	117 <b>Ts</b> Tennessine UNK	118 <b>Og</b> Oganesson UNK

Solid

Liquid

Gas

57 <b>La</b> Lanthanum HEX	58 <b>Ce</b> Cerium FCC	59 <b>Pr</b> Praseodymium HEX	60 <b>Nd</b> Neodymium HEX	61 <b>Pm</b> Promethium HEX	62 <b>Sm</b> Samarium RHOM	63 <b>Eu</b> Europium BCC	64 <b>Gd</b> Gadolinium HEX	65 <b>Tb</b> Terbium HEX	66 <b>Dy</b> Dysprosium HEX	67 <b>Ho</b> Holmium HEX	68 <b>Er</b> Erbium HEX	69 <b>Tm</b> Thulium HEX	70 <b>Yb</b> Ytterbium FCC	71 <b>Lu</b> Lutetium HEX
89 <b>Ac</b> Actinium FCC	90 <b>Th</b> Thorium FCC	91 <b>Pa</b> Protactinium TETRA	92 <b>U</b> Uranium ORTHO	93 <b>Np</b> Neptunium ORTHO	94 <b>Pu</b> Plutonium MONO	95 <b>Am</b> Americium HEX	96 <b>Cm</b> Curium HEX	97 <b>Bk</b> Berkelium HEX	98 <b>Cf</b> Californium HEX	99 <b>Es</b> Einsteinium HEX	100 <b>Fm</b> Fermium UNK	101 <b>Md</b> Mendelevium UNK	102 <b>No</b> Nobelium UNK	103 <b>Lr</b> Lawrencium UNK

### Most Stable Crystalline Structure Of Solids

CUBIC    Simple Cubic            FCC    Face Centered Cubic    ORTHO    Orthorhombic            TETRA    Tetragonal            UNK    Unknown  
 BCC    Body Centered Cubic    HEX    Hexagonal                            RHOM    Rhombohedral            MONO    Monoclinic