

# Periodic Table of the Elements

1 IA												18 VIIIA									
1 <b>H</b> Hydrogen 1.008 1																	2 <b>He</b> Helium 4.0026 2				
3 <b>Li</b> Lithium 6.94 2-1	4 <b>Be</b> Beryllium 9.0122 2-2															13 <b>B</b> Boron 10.81 2-3	14 <b>C</b> Carbon 12.011 2-4	15 <b>N</b> Nitrogen 14.007 2-5	16 <b>O</b> Oxygen 15.999 2-6	17 <b>F</b> Fluorine 18.998 2-7	18 <b>Ne</b> Neon 20.180 2-8
11 <b>Na</b> Sodium 22.98976928 2-8-1	12 <b>Mg</b> Magnesium 24.305 2-8-2															31 <b>Al</b> Aluminium 26.982 2-8-3	32 <b>Si</b> Silicon 28.085 2-8-4	33 <b>P</b> Phosphorus 30.974 2-8-5	34 <b>S</b> Sulfur 32.06 2-8-6	35 <b>Cl</b> Chlorine 35.45 2-8-7	36 <b>Ar</b> Argon 39.948 2-8-8
19 <b>K</b> Potassium 39.0983 2-8-8-1	20 <b>Ca</b> Calcium 40.078 2-8-8-2	21 <b>Sc</b> Scandium 44.955908 2-8-9-2	22 <b>Ti</b> Titanium 47.867 2-8-10-2	23 <b>V</b> Vanadium 50.9415 2-8-11-2	24 <b>Cr</b> Chromium 51.9961 2-8-13-1	25 <b>Mn</b> Manganese 54.938044 2-8-14-2	26 <b>Fe</b> Iron 55.845 2-8-14-2	27 <b>Co</b> Cobalt 58.933 2-8-15-2	28 <b>Ni</b> Nickel 58.693 2-8-16-2	29 <b>Cu</b> Copper 63.546 2-8-18-1	30 <b>Zn</b> Zinc 65.38 2-8-18-2	31 <b>Ga</b> Gallium 69.723 2-8-18-3	32 <b>Ge</b> Germanium 72.630 2-8-18-4	33 <b>As</b> Arsenic 74.922 2-8-18-5	34 <b>Se</b> Selenium 78.971 2-8-18-6	35 <b>Br</b> Bromine 79.904 2-8-18-7	36 <b>Kr</b> Krypton 83.798 2-8-18-8				
37 <b>Rb</b> Rubidium 85.4678 2-8-18-8-1	38 <b>Sr</b> Strontium 87.62 2-8-18-8-2	39 <b>Y</b> Yttrium 88.90584 2-8-18-9-2	40 <b>Zr</b> Zirconium 91.224 2-8-18-10-2	41 <b>Nb</b> Niobium 92.90637 2-8-18-12-1	42 <b>Mo</b> Molybdenum 95.95 2-8-18-13-1	43 <b>Tc</b> Technetium (98) 2-8-18-13-2	44 <b>Ru</b> Ruthenium 101.07 2-8-18-15-1	45 <b>Rh</b> Rhodium 102.91 2-8-18-16-1	46 <b>Pd</b> Palladium 106.42 2-8-18-18	47 <b>Ag</b> Silver 107.87 2-8-18-18-1	48 <b>Cd</b> Cadmium 112.41 2-8-18-18-2	49 <b>In</b> Indium 114.82 2-8-18-18-3	50 <b>Sn</b> Tin 118.71 2-8-18-18-4	51 <b>Sb</b> Antimony 121.76 2-8-18-18-5	52 <b>Te</b> Tellurium 127.60 2-8-18-18-6	53 <b>I</b> Iodine 126.90 2-8-18-18-7	54 <b>Xe</b> Xenon 131.29 2-8-18-18-8				
55 <b>Cs</b> Caesium 132.90545196 2-8-18-18-8-1	56 <b>Ba</b> Barium 137.327 2-8-18-18-8-2	57-71 Lanthanides		72 <b>Hf</b> Hafnium 178.49 2-8-18-32-10-2	73 <b>Ta</b> Tantalum 180.94788 2-8-18-32-11-2	74 <b>W</b> Tungsten 183.84 2-8-18-32-12-2	75 <b>Re</b> Rhenium 186.21 2-8-18-32-13-2	76 <b>Os</b> Osmium 190.23 2-8-18-32-14-2	77 <b>Ir</b> Iridium 192.22 2-8-18-32-15-2	78 <b>Pt</b> Platinum 195.08 2-8-18-32-17-1	79 <b>Au</b> Gold 196.97 2-8-18-32-18-1	80 <b>Hg</b> Mercury 200.59 2-8-18-32-18-2	81 <b>Tl</b> Thallium 204.38 2-8-18-32-18-3	82 <b>Pb</b> Lead 207.2 2-8-18-32-18-4	83 <b>Bi</b> Bismuth 208.98 2-8-18-32-18-5	84 <b>Po</b> Polonium (209) 2-8-18-32-18-6	85 <b>At</b> Astatine (210) 2-8-18-32-18-7	86 <b>Rn</b> Radon (222) 2-8-18-32-18-8			
87 <b>Fr</b> Francium (223) 2-8-18-32-18-8-1	88 <b>Ra</b> Radium (226) 2-8-18-32-18-8-2	89-103 Actinides		104 <b>Rf</b> Rutherfordium (267) 2-8-18-32-32-10-2	105 <b>Db</b> Dubnium (268) 2-8-18-32-32-11-2	106 <b>Sg</b> Seaborgium (269) 2-8-18-32-32-12-2	107 <b>Bh</b> Bohrium (270) 2-8-18-32-32-13-2	108 <b>Hs</b> Hassium (277) 2-8-18-32-32-14-2	109 <b>Mt</b> Meitnerium (278) 2-8-18-32-32-15-2	110 <b>Ds</b> Darmstadtium (281) 2-8-18-32-32-17-1	111 <b>Rg</b> Roentgenium (282) 2-8-18-32-32-17-2	112 <b>Cn</b> Copernicium (285) 2-8-18-32-32-18-2	113 <b>Nh</b> Nihonium (286) 2-8-18-32-32-18-3	114 <b>Fl</b> Flerovium (289) 2-8-18-32-32-18-4	115 <b>Mc</b> Moscovium (290) 2-8-18-32-32-18-5	116 <b>Lv</b> Livermorium (293) 2-8-18-32-32-18-6	117 <b>Ts</b> Tennessine (294) 2-8-18-32-32-18-7	118 <b>Og</b> Oganesson (294) 2-8-18-32-32-18-8			

Atomic Number → 118  
 Symbol ← Og  
 Name → Oganesson (294)  
 Electrons per shell → 2-8-18-32-32-18-8  
 ← Atomic Weight

State of matter (color of name)  
 GAS LIQUID SOLID UNKNOWN

Subcategory in the metal-metalloid-nonmetal trend (color of background)

- Alkali metals
- Alkaline earth metals
- Transition metals
- Lanthanides
- Actinides
- Post-transition metals
- Metalloids
- Reactive nonmetals
- Unknown chemical properties

57 <b>La</b> Lanthanum 138.91 2-8-18-18-9-2	58 <b>Ce</b> Cerium 140.12 2-8-18-19-9-2	59 <b>Pr</b> Praseodymium 140.91 2-8-18-21-8-2	60 <b>Nd</b> Neodymium 144.24 2-8-18-22-8-2	61 <b>Pm</b> Promethium (145) 2-8-18-23-8-2	62 <b>Sm</b> Samarium 150.36 2-8-18-24-8-2	63 <b>Eu</b> Europium 151.96 2-8-18-25-8-2	64 <b>Gd</b> Gadolinium 157.25 2-8-18-25-9-2	65 <b>Tb</b> Terbium 158.93 2-8-18-27-8-2	66 <b>Dy</b> Dysprosium 162.50 2-8-18-28-8-2	67 <b>Ho</b> Holmium 164.93 2-8-18-29-8-2	68 <b>Er</b> Erbium 167.26 2-8-18-30-8-2	69 <b>Tm</b> Thulium 168.93 2-8-18-31-8-2	70 <b>Yb</b> Ytterbium 173.05 2-8-18-32-8-2	71 <b>Lu</b> Lutetium 174.97 2-8-18-32-9-2
89 <b>Ac</b> Actinium (227) 2-8-18-32-18-9-2	90 <b>Th</b> Thorium 232.04 2-8-18-32-18-10-2	91 <b>Pa</b> Protactinium 231.04 2-8-18-32-20-9-2	92 <b>U</b> Uranium 238.03 2-8-18-32-21-9-2	93 <b>Np</b> Neptunium (237) 2-8-18-32-22-9-2	94 <b>Pu</b> Plutonium (244) 2-8-18-32-24-8-2	95 <b>Am</b> Americium (243) 2-8-18-32-25-8-2	96 <b>Cm</b> Curium (247) 2-8-18-32-25-9-2	97 <b>Bk</b> Berkelium (247) 2-8-18-32-27-8-2	98 <b>Cf</b> Californium (251) 2-8-18-32-28-8-2	99 <b>Es</b> Einsteinium (252) 2-8-18-32-29-8-2	100 <b>Fm</b> Fermium (257) 2-8-18-32-30-8-2	101 <b>Md</b> Mendelevium (258) 2-8-18-32-31-8-2	102 <b>No</b> Nobelium (259) 2-8-18-32-32-8-2	103 <b>Lr</b> Lawrencium (266) 2-8-18-32-32-8-3