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1 1.008 <b>H</b> Hydrogen																		3 6.941 <b>Li</b> Lithium	4 9.012 <b>Be</b> Beryllium																			5 10.811 <b>B</b> Boron	6 12.011 <b>C</b> Carbon	7 14.007 <b>N</b> Nitrogen	8 15.999 <b>O</b> Oxygen	9 18.998 <b>F</b> Fluorine	10 20.180 <b>Ne</b> Neon																			11 22.990 <b>Na</b> Sodium	12 24.305 <b>Mg</b> Magnesium																			13 26.982 <b>Al</b> Aluminum	14 28.086 <b>Si</b> Silicon	15 30.974 <b>P</b> Phosphorus	16 32.066 <b>S</b> Sulfur	17 35.453 <b>Cl</b> Chlorine	18 39.948 <b>Ar</b> Argon																			19 39.098 <b>K</b> Potassium	20 40.08 <b>Ca</b> Calcium	21 44.956 <b>Sc</b> Scandium	22 47.88 <b>Ti</b> Titanium	23 50.942 <b>V</b> Vanadium	24 51.996 <b>Cr</b> Chromium	25 54.938 <b>Mn</b> Manganese	26 55.847 <b>Fe</b> Iron	27 58.933 <b>Co</b> Cobalt	28 58.70 <b>Ni</b> Nickel	29 63.546 <b>Cu</b> Copper	30 65.39 <b>Zn</b> Zinc	31 69.72 <b>Ga</b> Gallium	32 72.61 <b>Ge</b> Germanium	33 74.922 <b>As</b> Arsenic	34 78.96 <b>Se</b> Selenium	35 79.904 <b>Br</b> Bromine	36 83.80 <b>Kr</b> Krypton																			37 85.468 <b>Rb</b> Rubidium	38 87.62 <b>Sr</b> Strontium	39 88.906 <b>Y</b> Yttrium	40 91.22 <b>Zr</b> Zirconium	41 92.906 <b>Nb</b> Niobium	42 95.94 <b>Mo</b> Molybdenum	43 (98) <b>Tc</b> Technetium	44 101.07 <b>Ru</b> Ruthenium	45 102.906 <b>Rh</b> Rhodium	46 106.42 <b>Pd</b> Palladium	47 107.868 <b>Ag</b> Silver	48 112.41 <b>Cd</b> Cadmium	49 114.82 <b>In</b> Indium	50 118.71 <b>Sn</b> Tin	51 121.76 <b>Sb</b> Antimony	52 127.60 <b>Te</b> Tellurium	53 126.905 <b>I</b> Iodine	54 131.29 <b>Xe</b> Xenon																			55 132.905 <b>Cs</b> Cesium	56 137.33 <b>Ba</b> Barium	57 138.906 <b>La</b> Lanthanum	72 178.49 <b>Hf</b> Hafnium	73 180.948 <b>Ta</b> Tantalum	74 183.85 <b>W</b> Tungsten	75 186.207 <b>Re</b> Rhenium	76 190.2 <b>Os</b> Osmium	77 192.22 <b>Ir</b> Iridium	78 195.08 <b>Pt</b> Platinum	79 196.967 <b>Au</b> Gold	80 200.59 <b>Hg</b> Mercury	81 204.38 <b>Tl</b> Thallium	82 207.2 <b>Pb</b> Lead	83 208.980 <b>Bi</b> Bismuth	84 (209) <b>Po</b> Polonium	85 (210) <b>At</b> Astatine	86 (222) <b>Rn</b> Radon																			87 (223) <b>Fr</b> Francium	88 226.025 <b>Ra</b> Radium	89 227.028 <b>Ac</b> Actinium																			58 140.12 <b>Ce</b> Cerium	59 140.908 <b>Pr</b> Praseodymium	60 144.24 <b>Nd</b> Neodymium	61 (145) <b>Pm</b> Promethium	62 150.36 <b>Sm</b> Samarium	63 151.97 <b>Eu</b> Europium	64 157.25 <b>Gd</b> Gadolinium	65 158.925 <b>Tb</b> Terbium	66 162.50 <b>Dy</b> Dysprosium	67 164.930 <b>Ho</b> Holmium	68 167.26 <b>Er</b> Erbium	69 168.934 <b>Tm</b> Thulium	70 173.04 <b>Yb</b> Ytterbium	71 174.967 <b>Lu</b> Lutetium																			90 232.038 <b>Th</b> Thorium	91 231.036 <b>Pa</b> Protoactinium	92 238.029 <b>U</b> Uranium	93 237.048 <b>Np</b> Neptunium	94 (244) <b>Pu</b> Plutonium	95 (243) <b>Am</b> Americium	96 (247) <b>Cm</b> Curium	97 (247) <b>Bk</b> Berkelium	98 (251) <b>Cf</b> Californium	99 (252) <b>Es</b> Einsteinium	100 (257) <b>Fm</b> Fermium	101 (258) <b>Md</b> Mendelevium	102 (259) <b>No</b> Nobelium	103 (260) <b>Lr</b> Lawrencium

	meters	dm	cm	mm	µm	nm	Å
1Å =	10 <sup>-10</sup>	10 <sup>-9</sup>	10 <sup>-8</sup>	10 <sup>-7</sup>	10 <sup>-4</sup>	10 <sup>-1</sup>	1
1nm =	10 <sup>-9</sup>	10 <sup>-8</sup>	10 <sup>-7</sup>	10 <sup>-6</sup>	10 <sup>-3</sup>	1	10
1µm =	10 <sup>-6</sup>	10 <sup>-5</sup>	10 <sup>-4</sup>	10 <sup>-3</sup>	1	10 <sup>3</sup>	10 <sup>4</sup>
1mm =	10 <sup>-3</sup>	10 <sup>-2</sup>	10 <sup>-1</sup>	1	10 <sup>3</sup>	10 <sup>6</sup>	10 <sup>7</sup>
1cm =	10 <sup>-2</sup>	10 <sup>-1</sup>	1	10	10 <sup>4</sup>	10 <sup>7</sup>	10 <sup>8</sup>
1dm =	10 <sup>-1</sup>	1	10	10 <sup>2</sup>	10 <sup>5</sup>	10 <sup>8</sup>	10 <sup>9</sup>
1m =	1	10	10 <sup>2</sup>	10 <sup>3</sup>	10 <sup>6</sup>	10 <sup>9</sup>	10 <sup>10</sup>

### Crystal Structures

- Cubic, face centered
- Cubic, body centered
- Cubic
- Hexagonal
- Monoclinic
- Orthorhombic
- Tetragonal
- Rhombohedral

Atomic Number    Atomic Weight

**Symbol**

K α Energy (+)  
L α Energy (+)  
M α Energy (+)

Crystal Structure

<b>Alkali Earth</b>	<b>Alkaline Earth</b>
<b>Rare Earth</b>	<b>Other Metals</b>
<b>Non-Metals</b>	<b>Halogens</b>
<b>Transition Metals</b>	<b>Metalloids</b>
<b>Noble Gases</b>	<b>Actinides</b>