

Groups of the Periodic Table

													13(+3)			14	15(-3)		16(-2)		17(-1)		18(0)				
													5 B Boron 10.81	6 C Carbon 12.011	7 N Nitrogen 14.0067	8 O Oxygen 15.9994	9 F Fluorine 18.998403	10 Ne Neon 20.179									
													13 Al Aluminum 26.98154	14 Si Silicon 28.0855	15 P Phosphorus 30.97376	16 S Sulfur 32.06	17 Cl Chlorine 35.453	18 Ar Argon 39.948									
													31 Ga Gallium 69.72	32 Ge Germanium 72.59	33 As Arsenic 74.9216	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.8									
													49 In Indium 114.82	50 Sn Tin 118.710	51 Sb Antimony 121.75	52 Te Tellurium 127.60	53 I Iodine 126.9045	54 Xe Xenon 131.29									
													81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.9804	84 Po Polonium 209	85 At Astatine 209	86 Rn Radon 222									
													104 Rf Rutherfordium 261	105 Ha Hassium 262	106 Sg Seaborgium 263	107 Ns Nihonium 262	108 Hs Hassium 265	109 Mt Meitnerium 266	110 Uu Ununennium (unnamed)	111 Uu Ununennium (unnamed)							
													57 La Lanthanum 138.9055	58 Ce Cerium 140.12	59 Pr Praseodymium 140.9077	60 Nd Neodymium 144.24	61 Pm Promethium 144.9128	62 Sm Samarium 150.36	63 Eu Europium 151.96	64 Gd Gadolinium 157.25	65 Tb Terbium 158.9254	66 Dy Dysprosium 162.50	67 Ho Holmium 164.9304	68 Er Erbium 167.26	69 Tm Thulium 168.9342	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967
													89 Ac Actinium 227.0278	90 Th Thorium 232.0381	91 Pa Protactinium 231.0369	92 U Uranium 238.0289	93 Np Neptunium 237.0482	94 Pu Plutonium 244.0642	95 Am Americium 243.0614	96 Cm Curium 247.0703	97 Bk Berkelium 247.0703	98 Cf Californium 251.0796	99 Es Einsteinium 252.0828	100 Fm Fermium 257.0951	101 Md Mendelevium 258.96	102 No Nobelium 259.1009	103 Lr Lawrencium 260.1054
													Lanthanide Series														
													Actinide Series														