Chemistry "Must Knows"

Greek Prefixes

Twins

(used to name ***molecular*** compounds)

mono	1
di	2
tri	3
tetra	4
penta	5
hexa	6
hepta	7
octa	8
nona	9
deca	10

Diatomic Molecules- the BrINClHOF

(only use when these ***elements*** are by themselves)

Bromine	Br_2
Iodine	I_2
Nitrogen	N_2
Chlorine	Cl_2
Hydrogen	H_2
Oxygen	O_2
Fluorine	F_2

Common Elements and their Symbols

Aluminum Al	Antimony Sb	Argon Ar	Arsenic As
Barium Ba	Beryllium Be	Boron B	Bromine Br
Calcium Ca	Carbon C	Cesium Cs	Chlorine Cl
Chromium Cr	Cobalt Co	Copper Cu	Fluorine F
Gold Au	Helium He	Hydrogen H	Iodine I
Iron Fe	Krypton Kr	Lead Pb	Lithium Li
Magnesium Mg	Manganese Mn	Mercury Hg	Neon Ne
Nickel Ni	Nitrogen N	Oxygen O	Palladium Pd
Phosphorus P	Platinum Pt	Plutonium Pu	Potassium K
Radium Ra	Radon Rn	Selenium Se	Silicon Si
Tin Sn	Tungsten W	Uranium U	Xenon Xe
Silver Ag	Sodium Na	Strontium Sr	Sulfur S
Zinc Zn	Zirconium Zr		

Common Polyatomic Ions

Acetate $C_2H_3O_2^{-1}$		Ammonium NH_4^{+1}	Phosphate PO_4^{-3}
Nitrite NO_2^{-1}		Nitrate NO_3^{-1}	Cyanide CN^{-1}
Hypochlorite ClO^{-1}	Chlorite ClO_2^{-1}	Chlorate ClO_3^{-1}	Perchlorate ClO_4^{-1}
Carbonate CO_3^{-2}		Hydrogen Carbonate HCO_3^{-1} (bicarbonate)	Oxalate $C_2O_4^{-2}$
Chromate CrO_4^{-2}		Dichromate $Cr_2O_7^{-2}$	Hydroxide OH^{-1}
Sulfite SO_3^{-2}		Sulfate SO_4^{-2}	Permanganate MnO_4^{-1}