Common Ions

Ions from the Periodic Table	
Cations	**Name**
H^+	Hydrogen
Li^+	Lithium
Na^+	Sodium
K^+	Potassium
Rb^+	Rubidium
Cs^+	Cesium
Be^{2+}	Beryllium
Mg^{2+}	Magnesium
Ca^{2+}	Calcium
Ba^{2+}	Barium
Sr^{2+}	Strontium
Al^{3+}	Aluminum
Anions	**Name**
H^-	Hydride
F^-	Fluoride
Cl^-	Chloride
Br^-	Bromide
I^-	Iodide
O^{2-}	Oxide
S^{2-}	Sulfide
Se^{2-}	Selenide
N^{3-}	Nitride
P^{3-}	Phosphide
Type II Cations	**Name**
Fe^{3+}	Iron (III)
Fe^{2+}	Iron (II)
Cu^{2+}	Copper (II)
Cu^+	Copper (I)
Co^{3+}	Cobalt (III)
Co^{2+}	Cobalt (II)
Sn^{4+}	Tin (IV)
Sn^{2+}	Tin (II)
Pb^{4+}	Lead (IV)
Pb^{2+}	Lead (II)
Hg^{2+}	Mercury (II)

Ions to Memorize	
Cations	**Name**
Ag^+	Silver
Zn^{2+}	Zinc
Cd^{2+}	Cadmium
Hg_2^{2+}	Mercury (I)
NH_4^+	Ammonium
1- Polyatomic Anions	**Name**
NO_2^-	Nitrite
NO_3^-	Nitrate
OH^-	Hydroxide
CN^-	Cyanide
HSO_4^-	Hydrogen sulfate (bisulfate)
$H_2PO_4^-$	Dihydrogen phosphate
HCO_3^-	Hydrogen carbonate (bicarbonate)
SCN^-	Thiocyanate
ClO^-	Hypochlorite
ClO_2^-	Chlorite
ClO_3^-	Chlorate
ClO_4^-	Perchlorate
BrO^-	Hypobromite
BrO_2^-	Bromite
BrO_3^-	Bromate
BrO_4^-	Perbromate
IO^-	Hypoiodite
IO_2^-	Iodite
IO_3^-	Iodate
IO_4^-	Periodate
$C_2H_3O_2^-$	Acetate
MnO_4^-	Permanganate
NH_2^-	Amide
2- Polyatomic Anions	**Name**
SO_3^{2-}	Sulfite
SO_4^{2-}	Sulfate
HPO_4^{2-}	Hydrogen phosphate
CO_3^{2-}	Carbonate
CrO_4^{2-}	Chromate
$Cr_2O_7^{2-}$	Dichromate
O_2^{2-}	Peroxide
$S_2O_3^{2-}$	Thiosulfate
$C_2O_4^{2-}$	Oxalate
SiO_3^{2-}	Silicate
SeO_4^{2-}	Selenate
3- Polyatomic Anions	**Name**
PO_4^{3-}	Phosphate
BO_3^{3-}	Borate