

KNOW YOUR IONS

COMMON MONATOMIC IONS

TYPE I

1+	2+	3+
Hydrogen, H ⁺ Lithium, Li ⁺ Sodium, Na ⁺ Potassium, K ⁺ Rubidium, Rb ⁺ Cesium, Cs ⁺ Silver, Ag ⁺	Magnesium, Mg ²⁺ Calcium, Ca ²⁺ Strontium, Sr ²⁺ Barium, Ba ²⁺ Zinc, Zn ²⁺ Cadmium, Cd ²⁺	Aluminum, Al ³⁺
1-	2-	3-
Fluoride, F ⁻ Chloride, Cl ⁻ Bromide, Br ⁻ Iodide, I ⁻ Hydride, H ⁻	Oxide, O ²⁻ Sulfide, S ²⁻	Nitride, N ³⁻ Phosphide, P ³⁻

TYPE II

Element	Ion	Stock Name	Classical Name
Copper	Cu ⁺	Copper (I)	Cuprous
Copper	Cu ²⁺	Copper (II)	Cupric
Iron	Fe ²⁺	Iron (II)	Ferrous
Iron	Fe ³⁺	Iron (III)	Ferric
Lead	Pb ²⁺	Lead (II)	Plumbic
Lead	Pb ⁴⁺	Lead (IV)	Plumbic
Tin	Sn ²⁺	Tin (II)	Stannous
Tin	Sn ⁴⁺	Tin (IV)	Stannic
Chromium	Cr ²⁺	Chromium (II)	-----
Chromium	Cr ³⁺	Chromium (III)	-----
Nickel	Ni ²⁺	Nickel (II)	-----
Nickel	Ni ³⁺	Nickel (III)	-----

COMMON POLYATOMIC IONS

1+		
Ammonium, NH ₄ ⁺		
1-	2-	3-
Acetate, C ₂ H ₃ O ₂ ⁻ Bicarbonate, HCO ₃ ⁻ Nitrate, NO ₃ ⁻ Cyanide, CN ⁻ Hydroxide, OH ⁻	Carbonate, CO ₃ ²⁻ Sulfate, SO ₄ ²⁻	Phosphate, PO ₄ ³⁻