

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
chromium	Cr ²⁺	chromium (II)	chromous
chromium	Cr ³⁺	chromium (III)	chromic
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)	plumbous
lead	Pb ⁴⁺	lead (IV)	plumbic
mercury	Hg ₂ ²⁺	mercury (I)	mercurous
mercury	Hg ²⁺	mercury (II)	mercuric
tin	Sn ²⁺	tin (II)	stannous
tin	Sn ⁴⁺	tin (IV)	stannic

COMMON POLYATOMIC IONS

1+		
ammonium, NH ₄ ⁺		
1-	2-	3-
acetate, C ₂ H ₃ O ₂ ⁻ bicarbonate, HCO ₃ ⁻ chlorate, ClO ₃ ⁻ chlorite, ClO ₂ ⁻ nitrate, NO ₃ ⁻ nitrite, NO ₂ ⁻ cyanide, CN ⁻ hydroxide, OH ⁻	carbonate, CO ₃ ²⁻ sulfate, SO ₄ ²⁻ sulfite, SO ₃ ²⁻	phosphate, PO ₄ ³⁻

