

CHE 124 Monoatomic and Polyatomic ions Monoatomic ions Fall 2013

Symbol	Ion	IUPAC Name	Common Name
Chromium	Cr^{2+}	Chromium (II) ion	Chromous ion
	Cr^{3+}	Chromium (III) ion	Chromic ion
Copper	Cu^{+}	Copper (I) ion	Cuprous ion
	Cu^{2+}	Copper (II) ion	Cupric ion
Iron	Fe^{2+}	Iron (II) ion	Ferrous ion
	Fe^{3+}	Iron (III) ion	Ferric ion
Tin	Sn^{2+}	Tin (II) ion	Stannous ion
	Sn^{4+}	Tin (IV) ion	Stannic ion

Polyatomic ions Symbol	Name
H_3O^{+}	Hydronium ion
NH_4^{+}	Ammonium ion
OH^{-}	Hydroxide ion
CO_3^{2-}	Carbonate ion
HCO_3^{-}	Hydrogen carbonate or Bicarbonate
NO_2^{-}	Nitrite ion
NO_3^{-}	Nitrate ion
SO_3^{2-}	Sulfite ion
SO_4^{2-}	Sulfate ion
HSO_4^{-}	Hydrogen sulfate or Bisulfate
PO_4^{3-}	Phosphate ion
HPO_4^{2-}	Hydrogen phosphate ion
$\text{H}_2\text{PO}_4^{-}$	Dihydrogen phosphate ion
$\text{Cr}_2\text{O}_7^{2-}$	Dichromate ion
CH_3CO_2	Acetate ion
CN^{-}	Cyanide ion