CHEMICAL NOMENCLATURE of COMMON IONS

CATIONS

Plus One

Symbol	Name
H^+	hydrogen
Na^+	sodium
K^+	potassium
Ag^+	silver
NH_4^+	ammonium

Plus Two

Symbol	Name
Mg^{2+}	magnesium
Ca^{2+}	calcium
Sr^{2+}	strontium
Ba^{2+}	barium
Zn^{2+}	zinc
Cd^{2+}	cadmium
Ni^{2+}	nickel
Mn^{2+}	manganese(II) manganous
Sn^{2+}	tin(II) stannous
Pb^{2+}	lead(II) plumbous

Plus One or Two

Symbol	Name
Cu^+	copper(I) cuprous
Cu^{2+}	copper(II) cupric
Hg_2^{2+}	mercury(I) mercurous
Hg^{2+}	mercury(II) mercuric

Plus Two or Three

Symbol	Name
Fe^{2+}	iron(II) ferrous
Fe^{3+}	iron(III) ferric
Co^{2+}	cobalt(II) cobaltous
Co^{3+}	cobalt(III) cobaltic
Cr^{2+}	chromium(II) chromous
Cr^{3+}	chromium(III) chromic

Plus Three

Symbol	Name
Al^{3+}	aluminum

ANIONS

Minus One

Symbol	Name
F^-	fluoride
Cl^-	chloride
Br^-	bromide
I^-	iodide
OH^-	hydroxide
NO_2^-	nitrite
NO_3^-	nitrate
$C_2H_3O_2^-$	acetate
CN^-	cyanide
ClO^-	hypochlorite
ClO_2^-	chlorite
ClO_3^-	chlorate
ClO_4^-	perchlorate
HCO_3^-	hydrogen carbonate
HSO_3^-	hydrogen sulfite
HSO_4^-	hydrogen sulfate
MnO_4^-	permanganate

Minus Two

Symbol	Name
O^{2-}	oxide
O_2^{2-}	peroxide
S^{2-}	sulfide
SO_3^{2-}	sulfite
SO_4^{2-}	sulfate
CO_3^{2-}	carbonate
$C_2O_4^{2-}$	oxalate
SiO_3^{2-}	silicate
CrO_4^{2-}	chromate
$Cr_2O_7^{2-}$	dichromate
$S_2O_3^{2-}$	thiosulfate
HPO_4^{2-}	hydrogen phosphate

Minus Three

Symbol	Name
PO_4^{3-}	phosphate