

Common Polyatomic Ions							
+1		-1		-2		-3	
NH_4^{+1}	ammonium	$\text{C}_2\text{H}_3\text{O}_2^{-1}$	acetate	CO_3^{2-}	carbonate	PO_4^{3-}	phosphate
H_3O^{+1}	hydronium	ClO^{-1}	hypochlorite	CrO_4^{2-}	chromate	PO_3^{3-}	phosphite
		ClO_2^{-1}	chlorite	$\text{Cr}_2\text{O}_7^{2-}$	dichromate		
		ClO_3^{-1}	chlorate	SO_4^{2-}	sulfate		
		ClO_4^{-1}	perchlorate	SO_3^{2-}	sulfite		
		CN^{-1}	cyanide	O_2^{2-}	peroxide		
		NO_3^{-1}	nitrate	$\text{C}_2\text{O}_4^{2-}$	oxalate		
		NO_2^{-1}	nitrite				
		HCO_3^{-1}	hydrogen carbonate (bicarbonate)				
		OH^{-1}	hydroxide				
		MnO_4^{-1}	permanganate				

Common Metal Ions		
Ion	Systematic Name	Common Name
Fe^{2+}	iron (II)	ferrous
Fe^{3+}	iron (III)	ferric
Cu^+	copper (I)	cuprous
Cu^{2+}	copper (II)	cupric
Pb^{2+}	lead (II)	plumbous
Pb^{4+}	lead (IV)	plumbic
Cr^{2+}	chromium (II)	chromous
Cr^{3+}	chromium (III)	chromic
Sn^{2+}	tin (II)	stannous
Sn^{4+}	tin (IV)	stannic
Co^{2+}	cobalt (II)	cobaltous
Co^{3+}	cobalt (III)	cobaltic
Hg_2^{2+}	mercury (I)	mercurous
Hg^{2+}	mercury (II)	mercuric

Prefixes Used in Naming Binary Molecular Compounds	
Prefix	Number
mono-	1
di-	2
tri-	3
tetra-	4
penta-	5
hexa-	6
hepta-	7
octa-	8
nona-	9
deca-	10

** ALWAYS: Zn^{2+} , Ag^+ , Cd^{2+} **