

Chemistry II: Polyatomic Ions and Common Acids

Positive Charges

NH_4^{+1}	ammonium
Zn^{+2}	zinc
Ag^{+1}	silver

$\text{H}_2\text{PO}_4^{-1}$ dihydrogen phosphate

SO_3^{-2} sulfite
 SO_4^{-2} sulfate
 CO_3^{-2} carbonate
 HPO_4^{-2} hydrogen phosphate

Negative Charges

$\text{C}_2\text{H}_3\text{O}_2^{-1}$ or $\text{CH}_3\text{COO}^{-1}$	acetate
ClO^{-1}	hypochlorite
ClO_2^{-1}	chlorite
ClO_3^{-1}	chlorate
ClO_4^{-1}	perchlorate
NO_2^{-1}	nitrite
NO_3^{-1}	nitrate
HCO_3^{-1}	hydrogen carbonate or bicarbonate
OH^{-1}	hydroxide
CN^{-1}	cyanide
HSO_3^{-1}	hydrogen sulfite
HSO_4^{-1}	hydrogen sulfate
MnO_4^{-1}	permanganate

$\text{C}_2\text{O}_4^{-2}$ oxalate
 CrO_4^{-2} chromate
 $\text{Cr}_2\text{O}_7^{-2}$ dichromate
 SiO_3^{-2} silicate

PO_3^{3-} phosphite
 PO_4^{3-} phosphate

Common Acids

HCl hydrochloric acid

H_2SO_4 sulfuric acid
 HNO_3 nitric acid
 $\text{HC}_2\text{H}_3\text{O}_2$ acetic acid

or CH_3COOH
 H_3PO_4 phosphoric acid

H_2CO_3 carbonic acid