

Polyatomic Naming – Intro

Compound Name	Element or Polyatomic Cation	Element or Polyatomic Anion	Formula
Lithium Nitrate			
Ammonium Fluoride			
			$\text{Ca}_3(\text{PO}_4)_2$
Strontium Carbonate			
Barium Acetate			
	Aluminum	Hydroxide	
Sodium Bicarbonate			

Symbols and Charges for Polyatomic Ions

Formula	Name	Formula	Name
NO_3^-	Nitrate	ClO_4^-	Perchlorate
NO_2^-	Nitrite	ClO_3^-	Chlorate
CrO_4^{2-}	Chromate	ClO_2^-	Chlorite
$\text{Cr}_2\text{O}_7^{2-}$	Dichromate	ClO^-	Hypochlorite
CN^-	Cyanide	IO_4^-	Periodate
MnO_4^-	Permanganate	IO_3^-	Iodate
OH^-	Hydroxide	IO^-	Hypoiodite
O_2^{2-}	Peroxide	BrO_3^-	Bromate
NH_2^-	Amide	BrO^-	Hypobromite
CO_3^{2-}	Carbonate	HCO_3^-	Hydrogen carbonate (Bicarbonate)
SO_4^{2-}	Sulfate	HSO_4^-	Hydrogen Sulfate (Bisulfate)
SO_3^{2-}	Sulfite	HSO_3^-	Hydrogen sulfite (Bisulfite)
$\text{C}_2\text{O}_4^{2-}$	Oxalate	HC_2O_4^-	Hydrogen oxalate (Binoxalate)
PO_4^{3-}	Phosphate	HPO_4^{2-}	Hydrogen phosphate
PO_3^{3-}	Phosphite	H_2PO_4^-	Dihydrogen phosphate
$\text{S}_2\text{O}_3^{2-}$	Thiosulfate	HS^-	Hydrogen sulfide
AsO_4^{3-}	Arsenate	BO_3^{3-}	Borate
SeO_4^{2-}	Selenate	$\text{B}_4\text{O}_7^{2-}$	Tetraborate
SiO_3^{2-}	Silicate	SiF_6^{2-}	Hexafluorosilicate
$\text{C}_4\text{H}_3\text{O}_2^-$	Tartrate	$\text{C}_2\text{H}_3\text{O}_2^-$ or CH_3COO^-	Acetate

There is one positive polyatomic ion: NH_4^+ = ammonium ion

