

Some Common Polyatomic Ions to Know

Cations

Ammonium ion	NH_4^+	
Hydronium ion	H_3O^+	(In solution; no common compounds)
Mercury(I)	Hg_2^{2+}	

Anions

Acetate ion	$\text{C}_2\text{H}_3\text{O}_2^-$	(Also written CH_3CO_2^- or CH_3COO^-)
Carbonate ion	CO_3^{2-}	
Hydrogen carbonate ion	HCO_3^-	(Formerly called bicarbonate)
Hypochlorite ion	ClO^-	
Chlorite ion	ClO_2^-	
Chlorate ion	ClO_3^-	
Perchlorate ion	ClO_4^-	
Chromate ion	CrO_4^{2-}	
Dichromate ion	$\text{Cr}_2\text{O}_7^{2-}$	
Cyanate ion	OCN^-	
Thiocyanate ion	SCN^-	
Cyanide ion	CN^-	
Hydroxide ion	OH^-	
Nitrite ion	NO_2^-	
Nitrate ion	NO_3^-	
Oxalate ion	$\text{C}_2\text{O}_4^{2-}$	
Permanganate ion	MnO_4^-	
Peroxide	O_2^{2-}	
Phosphate ion	PO_4^{3-}	
Hydrogen phosphate ion	HPO_4^{2-}	(Also called monohydrogen phosphate)
Dihydrogen phosphate ion	H_2PO_4^-	
Sulfite ion	SO_3^{2-}	
Hydrogen sulfite ion	HSO_3^-	(Formerly called bisulfite)
Sulfate ion	SO_4^{2-}	
Hydrogen sulfate ion	HSO_4^-	(Formerly called bisulfate)
Thiosulfate ion	$\text{S}_2\text{O}_3^{2-}$	