

Chemistry

Common Polyatomic Ions

Names and Formulas of Some Common Polyatomic Ions

Nonmetal	Formula of Ion ^a	Name of Ion
Hydrogen	OH^-	Hydroxide
Nitrogen	NH_4^+	Ammonium
	NO_3^-	Nitrate
	NO_2^-	Nitrite
Chlorine	ClO_4^-	Perchlorate
	ClO_3^-	Chlorate
	ClO_2^-	Chlorite
	ClO^-	Hypochlorite
Carbon	CO_3^{2-}	Carbonate
	HCO_3^-	Hydrogen carbonate (or bicarbonate)
	CN^-	Cyanide
	$\text{C}_2\text{H}_3\text{O}_2^-$	Acetate
	SCN^-	Thiocyanate
Sulfur	SO_4^{2-}	Sulfate
	HSO_4^-	Hydrogen sulfate (or bisulfate)
	SO_3^{2-}	Sulfite
	HSO_3^-	Hydrogen sulfite (or bisulfite)
Phosphorus	PO_4^{3-}	Phosphate
	HPO_4^{2-}	Hydrogen phosphate
	H_2PO_4^-	Dihydrogen phosphate
	PO_3^{3-}	Phosphite
Chromium	CrO_4^{2-}	Chromate
Manganese	$\text{Cr}_2\text{O}_7^{2-}$	Dichromate
	MnO_4^-	Permanganate

^aBoxed formulas are the most common polyatomic ion for that element.