

Inorganic Chemical Nomenclature

Binary Compound Names for Nonmetal Ions

H^-	hydride	N^{3-}	nitride	O^{2-}	oxide	F^-	fluoride
H^+	hydrogen	P^{3-}	phosphide	S^{2-}	sulfide	Cl^-	chloride
		As^{3-}	arsenide	Se^{2-}	selenide	Br^-	bromide
				Te^{2-}	telluride	I^-	iodide

Polyatomic Ion Names

NH_3	ammonia	ClO_4^-	perchlorate	$\text{C}_2\text{O}_4^{2-}$	oxalate
NH_4^+	ammonium	ClO_3^-	chlorate	O_2^{2-}	peroxide
H_3O^+	hydronium	ClO_2^-	chlorite	PO_4^{3-}	phosphate
CH_3COO^- ($\text{C}_2\text{H}_3\text{O}_2^-$)	acetate	ClO^-	hypochlorite	HPO_4^{2-}	monohydrogen phosphate
AsO_4^{3-}	arsenate	CrO_4^{2-}	chromate	H_2PO_4^-	dihydrogen phosphate
BO_3^{3-}	borate	$\text{Cr}_2\text{O}_7^{2-}$	dichromate	PO_3^{3-}	phosphite
$\text{B}_4\text{O}_7^{2-}$	tetraborate	CN^-	cyanide	SeO_4^{2-}	selenate
BrO_3^-	bromate	OH^-	hydroxide	SiO_3^{2-}	silicate
BrO^-	hypobromite	IO_4^-	periodate	SiF_6^{2-}	hexafluorosilicate
CO_3^{2-}	carbonate	IO_3^-	iodate	SO_4^{2-}	sulfate
HCO_3^-	hydrogen carbonate (bicarbonate)	IO^-	hypoiodite	HSO_4^-	hydrogen sulfate (bisulfate)
		MnO_4^-	permanganate	SO_3^{2-}	sulfite
		NO_3^-	nitrate	HSO_3^-	hydrogen sulfite (bisulfite)
		NO_2^-	nitrite	$\text{C}_4\text{H}_4\text{O}_6^{2-}$	tartrate
				$\text{S}_2\text{O}_3^{2-}$	thiosulfate

Common Acid Names

$\text{HC}_2\text{H}_3\text{O}_2$ CH_3COOH	acetic acid	HNO_3	nitric acid
H_2CO_3	carbonic acid	H_3PO_4	phosphoric acid
HCl	hydrochloric acid	H_2SO_4	sulfuric acid