

## Inorganic Chemical Nomenclature

### Binary Compound Names for Non-Metal Ions

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

### Polyatomic Ion Names

NH <sub>3</sub> ammonia	ClO <sub>4</sub> <sup>-</sup> perchlorate	PO <sub>4</sub> <sup>3-</sup> phosphate
NH <sub>4</sub> <sup>+</sup> ammonium	ClO <sub>3</sub> <sup>-</sup> chlorate	HPO <sub>4</sub> <sup>2-</sup> monohydrogen phosphate
H <sub>3</sub> O <sup>+</sup> hydronium	ClO <sub>2</sub> <sup>-</sup> chlorite	H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> dihydrogen phosphate
CH <sub>3</sub> COO <sup>-</sup> acetate	ClO <sup>-</sup> hypochlorite	PO <sub>3</sub> <sup>3-</sup> phosphite
(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sup>-</sup> acetate	CrO <sub>4</sub> <sup>2-</sup> chromate	SeO <sub>4</sub> <sup>2-</sup> selenate
AsO <sub>4</sub> <sup>3-</sup> arsenate	Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> dichromate	SiO <sub>3</sub> <sup>2-</sup> silicate
BO <sub>3</sub> <sup>3-</sup> borate	CN <sup>-</sup> cyanide	SiF <sub>6</sub> <sup>2-</sup> hexafluorosilicate
B <sub>4</sub> O <sub>7</sub> <sup>2-</sup> tetraborate	OH <sup>-</sup> hydroxide	SO <sub>4</sub> <sup>2-</sup> sulfate
BrO <sub>3</sub> <sup>-</sup> bromate	IO <sub>4</sub> <sup>-</sup> periodate	HSO <sub>4</sub> <sup>-</sup> hydrogen sulfate (bisulfate)
BrO <sup>-</sup> hypobromite	IO <sub>3</sub> <sup>-</sup> iodate	SO <sub>3</sub> <sup>2-</sup> sulfite
CO <sub>3</sub> <sup>2-</sup> carbonate	IO <sup>-</sup> hypoiodite	HSO <sub>3</sub> <sup>-</sup> hydrogen sulfite (bisulfite)
HCO <sub>3</sub> <sup>-</sup> hydrogen carbonate (bicarbonate)	MnO <sub>4</sub> <sup>-</sup> permanganate	C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> <sup>2-</sup> tartrate
	NO <sub>3</sub> <sup>-</sup> nitrate	S <sub>2</sub> O <sub>3</sub> <sup>2-</sup> thiosulfate
	NO <sub>2</sub> <sup>-</sup> nitrite	
	C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> oxalate	
	O <sub>2</sub> <sup>2-</sup> peroxide	

### Common Acid Names

HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> acetic acid	HNO <sub>3</sub> nitric acid
CH <sub>3</sub> COOH acetic acid	H <sub>3</sub> PO <sub>4</sub> phosphoric acid
H <sub>2</sub> CO <sub>3</sub> carbonic acid	H <sub>2</sub> SO <sub>4</sub> sulfuric acid
HCl hydrochloric acid	