

NaCl
Sodium Chloride
Write name of cation; add -ide to anion

Fe₂O₃
Iron(III) Oxide
Write name of cation with Roman numeral; add -ide to anion

CaCO₃
Calcium Carbonate
Write name of cation, write name of anion DO NOT ADD -ide!

If anion ends in -ite
acid ends in -ous

H₂SO₃ (SO₃ = Sulfite)
Sulfurous acid

If anion ends in -ate
acid ends in -ic

H₂SO₄ (SO₄ = Sulfate)
Sulfuric acid

+1 oxygen = per - ate
base # oxygen = - ate
-1 oxygen = - ite
-2 oxygen = hypo - ite

named for anion

Oxygen + Hydrogen + anion

Naming Rules

Ionic compounds

metal + nonmetal
cation + anion

Remember to balance charges!

Polyatomic

Molecular

nonmetal + nonmetal

Prefixes!

Write name of first metal with prefix (if needed); Add prefix (if needed) and -ide to second metal.

Cl₂O₇
dichlorine heptoxide

Remember to balance charges!

Oxyacids

Acids

Binary

Hydrogen + anion

Shorten hydrogen to hydro; write anion with -ic ending; finish with "Acid" HCl

hydrochloric acid

