

Standard: #3-1  
 Chemistry  
 Ionic Nomenclature  
 ChemIonic1

Ionic Compounds  
 Cation - Anion  
 Name of cation + Name of anion  
 monatomic anions ending = "ide"

Indicate the formula of the following ionic compounds.

1. Iron (III) Chlorate =  $Fe(ClO_3)_3$
2. Calcium Phosphite =  $Ca_3(PO_3)_2$
3. Gold (III) Oxide =  $Au^{+3} O^{2-} \rightarrow Au_2O_3$
4. Tin (IV) Fluoride =  $Sn^{+4} F^{-1} \rightarrow SnF_4$
5. Barium sulfate =  $Ba^{+2} SO_4^{2-} \rightarrow BaSO_4$
6. Potassium peroxide =  $K^+ O_2^{2-} \rightarrow K_2O_2$
7. Copper (I) nitride =  $Cu_3N$
8. Sodium bicarbonate =  $Na^{+1} HCO_3^{-1} \rightarrow NaHCO_3$
9. Sodium chloride =  $NaCl$
10. Sodium phosphide = ~~MASPO~~  $Na_3P$
11. Ammonium Oxalate =  $(NH_4)_2C_2O_4$
12. Manganese (II) permanganate =  $Mn(MnO_4)_2$
13. Ammonium Phosphate =  $(NH_4)_3PO_4$

Baking Soda

Indicate the name of the following chemicals

1.  $Cu(CN)_2$  = Copper (II) Cyanide
2.  $AlCl_3$  = Aluminium Chloride
3.  $HI$  = Hydrogen Iodide
4.  $HClO$  = Hydrogen hypochlorite
5.  $Sn(C_2O_4)_2$  = Tin (IV) oxalate
6.  $ZnO_2$  = Zinc peroxide
7.  $Ca_3(PO_4)_2$  = Calcium Phosphate
8.  $Fe_3(PO_4)_2$  = ~~Iron~~ Iron (II) phosphate
9.  $NaSCN$  = sodium thiocyanate
10.  $NH_4Cl$  = Ammonium Chloride
11.  $Al_2(SiO_3)_3$  = Aluminium Silicate
12.  $(NH_4)_2SO_4$  = Ammonium Sulfate
13.  $KNO_3$  = Potassium Nitrate