

List the rules for naming binary compounds.

- a) Suffixes: _____
- b) Roman numerals: _____
- c) Acids: _____
- d) Molecular compounds: _____

Name each of the following binary compounds:

1. Al_2S_3 _____
2. CaF_2 _____
3. MgCl_2 _____
4. LiF _____
5. BaBr_2 _____
6. K_2S _____

Name each of the following compounds:

1. SnO _____
2. FeO _____
3. PbS _____
4. CoCl_2 _____
5. Cr_2O_3 _____
6. CuCl _____

Name the following molecular compounds:

1. CO _____
2. SO_2 _____
3. CF_4 _____
4. P_2O_5 _____
5. NO_2 _____
6. Si_6 _____

Name the following acids:

1. HCl _____
2. HNO_3 _____
3. H_2SO_4 _____
4. H_2SO_3 _____
5. H_3PO_4 _____
6. H_2CO_3 _____
7. CH_3COOH _____
8. HClO_2 _____

Name the following compounds containing polyatomic compounds:

1. CuSO_4 _____
2. $\text{Al}(\text{OH})_3$ _____
3. MgCO_3 _____
4. $\text{Ba}(\text{NO}_3)_2$ _____
5. KMnO_4 _____
6. $\text{Ca}_3(\text{PO}_4)_2$ _____

Write the chemical formula for each of the following compounds:

1. Calcium bromide _____
2. Barium fluoride _____
3. Copper (I) sulfide _____
4. Phosphoric acid _____
5. Copper (II) sulfate _____
6. Carbon dioxide _____