

## Worksheet 2: Naming Compounds

*Write your answers either on the back or another sheet of paper.*

1. Provide the names for the following ionic compounds.
  - a.  $\text{AlF}_3$
  - b.  $\text{Fe}(\text{OH})_2$
  - c.  $\text{Cu}(\text{NO}_3)_2$
  - d.  $\text{Ba}(\text{ClO}_4)_2$
  - e.  $\text{Li}_3\text{PO}_4$
  - f.  $\text{Hg}_2\text{S}$
2. Write the formula for the following ionic compounds.
  - a. Copper (I) oxide
  - b. Potassium peroxide
  - c. Iron(III) carbonate
  - d. Zinc nitrate
  - e. Sodium hypobromite
  - f. Aluminum hydroxide
3. Give the name or formula for each of the following substances.
  - a.  $\text{SF}_6$
  - b.  $\text{XeO}_3$
  - c. Dinitrogen tetroxide
  - d. Hydrogen cyanide
  - e.  $\text{IF}_5$
  - f. Dihydrogen monoxide
4. Give the name or formula for each of the following compounds.
  - a. Ammonium oxalate
  - b. Manganese (III) dichromate
  - c.  $\text{Ti}(\text{OH})_4$
  - d.  $\text{Ni}(\text{ClO}_2)_3$
  - e. Dinitrogen pentoxide
  - f.  $\text{Fe}_2\text{S}_3$
5. Name the following acids.
  - a.  $\text{H}_2\text{C}_2\text{O}_4$
  - b.  $\text{HBrO}_3$
  - c.  $\text{HBr}$
  - d.  $\text{HNO}_2$
  - e.  $\text{H}_2\text{SO}_4$
  - f.  $\text{HClO}$

6. Write the formula for the following acids.

- a. Hydrochloric acid
- b. Sulfuric acid
- c. Nitric acid
- d. Phosphoric acid
- e. Carbonic acid
- f. Acetic acid