**IONIC COMPOUNDS:**

# Names and Formulas

1. Write the names for the following compounds.

a. Li2O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ k. PbS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. AlCl3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ l. SnO2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. MgS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m. NiO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. CaF2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ n. CuI2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e. Al2O3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ o. PbCl4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f. BeF2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ p. FeP \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g. K3P \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ q. AuBr3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

h. Mg3P2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r. Hg2S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

i. CaO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ s. SbF3  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

j. Ag2S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ t. MnO2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the formulas for the following compounds.
   1. magnesium oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ k. tin (II) fluoride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. aluminum nitride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ l. lead (IV) nitride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. potassium sulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m. iron (III) chloride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. calcium bromide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ n. copper(I) oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. aluminum sulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ o. antimony (III) sulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. beryllium oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ p. mercury (II) oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   7. strontium phosphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ q. tin (IV) iodide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   8. sodium fluoride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r. arsenic(III) phosphide \_\_\_\_\_\_\_\_\_\_\_\_\_
   9. lithium selenide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ s. cobalt (II) sulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   10. barium oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ t. tin (IV) sulfide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**POLYATOMIC COMPOUNDS:**

# Names and Formulas

1. Write the names for the following compounds.

a. Li2SO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ k. PbSO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. Al(ClO3)3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ l. Li2CO3 (aq) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. MgSO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m. CaSO4 (aq) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. K2CO3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ n. Cu(NO3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e. Na2SO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ o. Pb(ClO3)4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f. Fe(NO3)3 (aq) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ p. Ca3(PO4)2 (aq) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g. K3PO4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ q. Au2CO3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

h. Sr(ClO3)2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r. HgOH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

i. RbOH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ s. Sb2(SO4)3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

j. HClO3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ t. MnSO4  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the formulas for the following compounds.
   1. magnesium carbonate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ k. tin (II) chlorate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. aluminum nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ l. lead (IV) nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. potassium sulfate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m. iron (III) carbonate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. calcium chlorate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ n. copper (II) hydroxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. aluminum sulfate\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ o. lead (II) nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. sodium carbonate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ p. mercury (II) chlorate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   7. strontium phosphate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ q. tin (IV) phosphate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   8. magnesium chlorate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r. ammonium nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   9. lithium nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ s. potassium nitrate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   10. aluminum phosphate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ t. tin (IV) sulfate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_