

## AP Chemistry – Nomenclature Practice – 11

Name \_\_\_\_\_ Per \_\_\_\_

1. Name each of the following binary compounds.

- a. NaCl \_\_\_\_\_
- b.  $\text{Ca}_3\text{N}_2$  \_\_\_\_\_
- c. KI \_\_\_\_\_
- d.  $\text{As}_2\text{S}_3$  \_\_\_\_\_
- e. MgO \_\_\_\_\_
- f. AgCl \_\_\_\_\_
- g.  $\text{CuBr}_2$  \_\_\_\_\_
- h. ZnS \_\_\_\_\_
- i.  $\text{CrS}_2$  \_\_\_\_\_
- j.  $\text{SnF}_2$  \_\_\_\_\_

2. Write the formula for each of the following binary compounds.

- a. Barium chloride \_\_\_\_\_
- b. Lithium sulfide \_\_\_\_\_
- c. Potassium bromide \_\_\_\_\_
- d. Dihydrogen trioxide \_\_\_\_\_
- e. Magnesium iodide \_\_\_\_\_
- f. Iron(II) chloride \_\_\_\_\_
- g. Aluminum fluoride \_\_\_\_\_
- h. Manganese(IV) oxide \_\_\_\_\_
- i. Cadmium(II) sulfide \_\_\_\_\_
- j. Cobalt(III) bromide \_\_\_\_\_

3. Write the IUPAC names for each of the following compounds.

- a.  $\text{CaCO}_3$  \_\_\_\_\_
- b.  $\text{NaIO}_3$  \_\_\_\_\_
- c.  $\text{Fe}_2\text{S}_3$  \_\_\_\_\_
- d.  $\text{Ag}_2\text{S}$  \_\_\_\_\_
- e.  $\text{AlPO}_4$  \_\_\_\_\_
- f.  $\text{SI}_2$  \_\_\_\_\_
- g.  $(\text{NH}_4)_3\text{PO}_4$  \_\_\_\_\_
- h.  $\text{NaC}_2\text{H}_3\text{O}_2$  \_\_\_\_\_

- i.  $\text{SiSe}_2$  \_\_\_\_\_
- j.  $\text{KClO}_3$  \_\_\_\_\_
- k.  $\text{NaClO}$  \_\_\_\_\_
- l.  $\text{Li}_2\text{SO}_3$  \_\_\_\_\_
- m.  $\text{Ca}_3(\text{PO}_3)_2$  \_\_\_\_\_
- n.  $\text{AgNO}_2$  \_\_\_\_\_
- o.  $\text{SrCr}_2\text{O}_7$  \_\_\_\_\_
- p.  $\text{KMnO}_4$  \_\_\_\_\_
- q.  $\text{CBr}_4$  \_\_\_\_\_
- r.  $\text{PCl}_5$  \_\_\_\_\_
- s.  $\text{SiO}_2$  \_\_\_\_\_
- t.  $\text{N}_2\text{O}_3$  \_\_\_\_\_

4. Give the formula for the following compounds.

- a. Copper(II) sulfate \_\_\_\_\_
- b. Iron(II) chlorate \_\_\_\_\_
- c. Nickel(I) thiocyanate \_\_\_\_\_
- d. Zinc phosphate \_\_\_\_\_
- e. Sodium sulfate \_\_\_\_\_
- f. Mercury(II) nitrate \_\_\_\_\_
- g. Potassium iodate \_\_\_\_\_
- h. Chromium(III) cyanide \_\_\_\_\_
- i. Magnesium carbonate \_\_\_\_\_
- j. Ammonium nitrate \_\_\_\_\_
- k. Boron trichloride \_\_\_\_\_
- l. Silver nitrite \_\_\_\_\_
- m. Strontium chromate \_\_\_\_\_
- n. Carbon diselenide \_\_\_\_\_
- o. Diphosphorus pentoxide \_\_\_\_\_
- p. Lithium perchlorate \_\_\_\_\_
- q. Sodium hydrogen sulfite \_\_\_\_\_
- r. Aluminum hypochlorite \_\_\_\_\_
- s. Nitrogen triiodide \_\_\_\_\_
- t. Zinc acetate \_\_\_\_\_