Name:\_\_\_\_\_\_\_\_\_\_

**Compound Names and Formulas:**

**Elements with ONE Combining Capacity ONLY**

**A. Name these Compounds** (the first one is done for you as an example)

1. Li2S \_\_\_lithium sulfide

2. CaO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. NaF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. CaBr2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. MgCl2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Ba3P2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Cs2O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. FrBr \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Ag2S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**B. Write the correct chemical formula for these compounds**

1. sodium chloride \_\_\_NaCl\_\_\_\_\_\_\_\_

2. magnesium fluoride \_\_\_\_\_\_\_\_\_\_\_\_

3. silver oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. aluminum bromide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. zinc bromide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. scandium oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. cadmium sulphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. aluminum oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. potassium bromide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. cesium oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Compound Names and Formulas**

**Elements with TWO OR MORE Combining Capacities**

**A. Write the correct formula for the following compounds,** all of which have been named using the modern Roman Numeral Method. The combining capacity is given after the first element (metallic) in Roman Numerals.

1. copper (II) oxide \_\_\_\_CuO\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. mercury (I) oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. gold (III) chloride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. nickel (III) bromide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. copper (I) oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. iron (III) oxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. cobalt (III) nitride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. copper (II) nitride \_\_\_\_\_\_\_\_\_\_\_\_\_

9. gold (I) phosphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. mercury (I) sulphide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**B. Determine the combining capacity of the first element. Name the compound using the Roman Numeral Method.**

1. SnCl4 \_\_\_tin (IV) chloride\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. BiBr5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. TiO2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. PbI2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. HgO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. HgCl \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Au2O3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. FeCl2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_