

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

### Review: NAMING IONIC AND MOLECULAR COMPOUNDS

#### Part A: Write the formulas for the following compounds.

- |                       |       |                               |       |
|-----------------------|-------|-------------------------------|-------|
| 1. magnesium chloride | _____ | 6. gallium hydroxide          | _____ |
| 2. potassium oxide    | _____ | 7. calcium phosphate          | _____ |
| 3. silver (I) sulfide | _____ | 8. beryllium nitrate          | _____ |
| 4. aluminum oxide     | _____ | 9. potassium hydrogen sulfate | _____ |
| 5. barium carbonate   | _____ | 10. zinc phosphate            | _____ |

#### Part B: Write the names for the following compounds.

- |                      |       |                                   |       |
|----------------------|-------|-----------------------------------|-------|
| 1. AgNO              | _____ | 6. Fe <sub>2</sub> O <sub>3</sub> | _____ |
| 2. CaCO <sub>3</sub> | _____ | 7. CuSO <sub>4</sub>              | _____ |
| 3. NaOH              | _____ | 8. PF <sub>5</sub>                | _____ |
| 4. K <sub>2</sub> S  | _____ | 9. NaHCO <sub>3</sub>             | _____ |
| 5. NI <sub>3</sub>   | _____ | 10. KNO <sub>3</sub>              | _____ |

#### Part C: Write the formulas for the following compounds.

- |                          |       |                         |       |
|--------------------------|-------|-------------------------|-------|
| 1. magnesium chloride    | _____ | 6. barium hydroxide     | _____ |
| 2. sulfur dioxide        | _____ | 7. nitrogen gas         | _____ |
| 3. nickel (III) sulfide  | _____ | 8. lead (II) nitrate    | _____ |
| 4. dinitrogen tetraoxide | _____ | 9. oxygen gas           | _____ |
| 5. barium carbonate      | _____ | 10. zinc (II) phosphate | _____ |

#### Part D: Write the names for the following compounds.

- |  |       |                                    |       |
|--|-------|------------------------------------|-------|
| 1. CO  | _____ | 6. Fe <sub>2</sub> O <sub>3</sub>  | _____ |
| 2. Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> | _____ | 7. CuSO <sub>4</sub>               | _____ |
| 3. NaOH  | _____ | 8. PF <sub>5</sub>                 | _____ |
| 4. K <sub>2</sub> S                                | _____ | 9. Na <sub>2</sub> CO <sub>3</sub> | _____ |
| 5. NI <sub>3</sub>                                 | _____ | 10. KNO <sub>3</sub>               | _____ |