

**Physical Science**  
**Naming Chemical Compounds**

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

1. Write the chemical formula for each of the following – careful, not all covalent!

- a. dinitrogen tetroxide
- b. sulfur trioxide
- c. phosphorus pentachloride
- d. barium nitride
- e. sulfur hexafluoride

2. State whether each of the following is ionic or covalent, and then name it accordingly:

- a.  $\text{CCl}_4$
- b.  $\text{ICl}$
- c.  $\text{Ca}_3\text{P}_2$
- d.  $\text{N}_2\text{O}_3$
- e.  $\text{IF}_3$
- f.  $\text{SO}_2$
- g.  $\text{K}_2\text{O}$
- h.  $\text{CaF}_2$