

Worksheet – Naming Molecular compounds

Name \_\_\_\_\_

Period \_\_\_\_\_

Date \_\_\_\_\_

Write the formulas for each of the following covalent compounds.

1. sulfur tetroxide \_\_\_\_\_

2. phosphorus trifluoride \_\_\_\_\_

3. iodine monobromide \_\_\_\_\_

4. silicon tetrahydride \_\_\_\_\_

5. carbon tetraiodide \_\_\_\_\_

6. oxygen dichloride \_\_\_\_\_

7. bromine pentachloride \_\_\_\_\_

8. oxygen difluoride \_\_\_\_\_

9. nitrogen triiodide \_\_\_\_\_

10. nitrogen monoxide \_\_\_\_\_

11. dinitrogen tetroxide \_\_\_\_\_

12. diphosphorus pentoxide \_\_\_\_\_

13. disulfur difluoride \_\_\_\_\_

14. tetraphosphorus trisulfide \_\_\_\_\_

15. dinitrogen tetrachloride \_\_\_\_\_

Name each of the following covalent compounds.

1.  $\text{CO}_2$  \_\_\_\_\_

2.  $\text{SO}_3$  \_\_\_\_\_

3.  $\text{N}_2\text{O}_3$  \_\_\_\_\_

4.  $\text{N}_2\text{O}_5$  \_\_\_\_\_

5.  $\text{PCl}_3$  \_\_\_\_\_

6.  $\text{NH}_3$  \_\_\_\_\_

7.  $\text{SCl}_6$ \_\_\_\_\_

8.  $\text{P}_2\text{O}_5$ \_\_\_\_\_

9.  $\text{CCl}_4$ \_\_\_\_\_

10.  $\text{SiO}_2$ \_\_\_\_\_

11.  $\text{CS}_2$ \_\_\_\_\_

12.  $\text{PBr}_3$ \_\_\_\_\_

13.  $\text{P}_4\text{O}_{10}$ \_\_\_\_\_

14.  $\text{NI}_3$ \_\_\_\_\_

15.  $\text{Cl}_2\text{O}_7$ \_\_\_\_\_

Name the following acids.

1.  $\text{HNO}_3$ \_\_\_\_\_

2.  $\text{HCl}$ \_\_\_\_\_

3.  $\text{HC}_2\text{H}_3\text{O}_2$ \_\_\_\_\_

4.  $\text{HBr}$ \_\_\_\_\_

5.  $\text{HNO}_2$ \_\_\_\_\_

Write the formulas of the following acids.

1. sulfuric acid\_\_\_\_\_

2. hydrofluoric acid\_\_\_\_\_

3. phosphorus acid\_\_\_\_\_

4. carbonic acid\_\_\_\_\_

5. hydrosulfuric acid\_\_\_\_\_