

# Naming Covalent Compounds Worksheet

Write the formulas for the following covalent compounds:

- 1) antimony tribromide \_\_\_\_\_
- 2) hexaboron silicide \_\_\_\_\_
- 3) chlorine dioxide \_\_\_\_\_
- 4) hydrogen iodide \_\_\_\_\_
- 5) iodine pentafluoride \_\_\_\_\_
- 6) dinitrogen trioxide \_\_\_\_\_
- 7) ammonia \_\_\_\_\_
- 8) phosphorus triiodide \_\_\_\_\_

Write the names for the following covalent compounds:

- 9)  $P_4S_5$  \_\_\_\_\_
- 10)  $O_2$  \_\_\_\_\_
- 11)  $SeF_6$  \_\_\_\_\_
- 12)  $Si_2Br_6$  \_\_\_\_\_
- 13)  $SCl_4$  \_\_\_\_\_
- 14)  $CH_4$  \_\_\_\_\_
- 15)  $B_2Si$  \_\_\_\_\_
- 16)  $NF_3$  \_\_\_\_\_

## Naming Covalent Compounds Solutions

Write the formulas for the following covalent compounds:

- 1) antimony tribromide **SbBr<sub>3</sub>**
- 2) hexaboron silicide **B<sub>6</sub>Si**
- 3) chlorine dioxide **ClO<sub>2</sub>**
- 4) hydrogen iodide **HI**
- 5) iodine pentafluoride **IF<sub>5</sub>**
- 6) dinitrogen trioxide **N<sub>2</sub>O<sub>3</sub>**
- 7) ammonia **NH<sub>3</sub>**
- 8) phosphorus triiodide **PI<sub>3</sub>**

Write the names for the following covalent compounds:

- 9) P<sub>4</sub>S<sub>5</sub> **tetraphosphorus pentasulfide**
- 10) O<sub>2</sub> **oxygen**
- 11) SeF<sub>6</sub> **selenium hexafluoride**
- 12) Si<sub>2</sub>Br<sub>6</sub> **disilicon hexabromide**
- 13) SCl<sub>4</sub> **sulfur tetrachloride**
- 14) CH<sub>4</sub> **methane**
- 15) B<sub>2</sub>Si **diboron silicide**
- 16) NF<sub>3</sub> **nitrogen trifluoride**