

# Molecular Compounds: Names and Formulas Worksheet

1. Write the formulas for the following compounds.

- |                          |       |                             |       |
|--------------------------|-------|-----------------------------|-------|
| (a) carbon dioxide       | _____ | (k) diphosphorus trioxide   | _____ |
| (b) silicon dioxide      | _____ | (l) nitrogen monoxide       | _____ |
| (c) water                | _____ | (m) chlorine dioxide        | _____ |
| (d) carbon disulfide     | _____ | (n) dinitrogen oxide        | _____ |
| (e) sulfur trioxide      | _____ | (o) carbon monoxide         | _____ |
| (f) ammonia              | _____ | (p) arsenic tribromide      | _____ |
| (g) carbon tetrachloride | _____ | (q) phosphorus pentabromide | _____ |
| (h) hydrogen peroxide    | _____ | (r) dinitrogen tetroxide    | _____ |
| (i) methane              | _____ | (s) silicon carbide         | _____ |
| (j) ozone (trioxygen)    | _____ | (t) sulfur dioxide          | _____ |

2. Write the names for the following compounds.

- |                            |       |                            |       |
|----------------------------|-------|----------------------------|-------|
| (a) $\text{CF}_4$          | _____ | (k) $\text{P}_2\text{O}_5$ | _____ |
| (b) $\text{NH}_3$          | _____ | (l) $\text{CH}_4$          | _____ |
| (c) $\text{PBr}_3$         | _____ | (m) $\text{SO}_3$          | _____ |
| (d) $\text{O}_3$           | _____ | (n) $\text{H}_2\text{O}$   | _____ |
| (e) $\text{F}_2$ (gas)     | _____ | (o) $\text{SiO}_2$         | _____ |
| (f) $\text{CS}_2$          | _____ | (p) $\text{PCl}_5$         | _____ |
| (g) $\text{N}_2\text{O}_4$ | _____ | (q) $\text{I}_2$ (gas)     | _____ |
| (h) $\text{H}_2\text{O}_2$ | _____ | (r) $\text{NO}_2$          | _____ |
| (i) $\text{CO}$            | _____ | (s) $\text{SF}_4$          | _____ |
| (j) $\text{SiC}$           | _____ | (t) $\text{H}_2$ (gas)     | _____ |

# 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)  $NF_3$  \_\_\_\_\_