

## Covalent Formula Writing/Naming Worksheet

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

1. Name the following covalent compounds:

- a.  $\text{SO}_3$  \_\_\_\_\_
- b.  $\text{SiCl}_4$  \_\_\_\_\_
- c.  $\text{PBr}_3$  \_\_\_\_\_
- d.  $\text{CBr}_4$  \_\_\_\_\_
- e.  $\text{N}_2\text{O}_3$  \_\_\_\_\_
- f.  $\text{N}_2\text{O}_5$  \_\_\_\_\_
- g.  $\text{CCl}_4$  \_\_\_\_\_
- h.  $\text{NI}_3$  \_\_\_\_\_
- i.  $\text{CO}$  \_\_\_\_\_
- j.  $\text{CO}_2$  \_\_\_\_\_
- k.  $\text{SiO}_2$  \_\_\_\_\_
- l.  $\text{PCl}_5$  \_\_\_\_\_
- m.  $\text{CS}_2$  \_\_\_\_\_
- n.  $\text{As}_2\text{O}_5$  \_\_\_\_\_
- o.  $\text{SeF}_4$  \_\_\_\_\_
- p.  $\text{P}_2\text{O}_3$  \_\_\_\_\_
- q.  $\text{AsF}_3$  \_\_\_\_\_
- r.  $\text{B}_2\text{O}_3$  \_\_\_\_\_

2. Write formulas for the following compounds:

- |                              |       |                            |       |
|------------------------------|-------|----------------------------|-------|
| a. Silicon disulfide         | _____ | b. Diboron monosulfide     | _____ |
| c. Sulfur dioxide            | _____ | d. Xenon hexafluoride      | _____ |
| e. Trisilicon tetraphosphide | _____ | f. Bismuth pentoxide       | _____ |
| g. Difluorine monoxide       | _____ | h. Tetraboron tricarbide   | _____ |
| i. Dihydrogen monoxide       | _____ | j. Dihydrogen monoselenide | _____ |
| k. Carbon disulfide          | _____ | l. Bismuth tribromide      | _____ |
| m. Phosphorus pentafluoride  | _____ | n. Arsenic pentiodide      | _____ |
| o. Nitrogen trichloride      | _____ | p. Diphosphorus trioxide   | _____ |
| q. Tellurium monosulfide     | _____ | r. Carbon monosulfide      | _____ |