

Name \_\_\_\_\_

|               |                |             |
|---------------|----------------|-------------|
| mono = one    | di or bi = two | tri = three |
| tetra = four  | penta = five   | hexa = six  |
| hepta = seven | octa = eight   | nona = nine |

Convert the following compound formulas to names:

| Formula                      | Compound Name           |
|------------------------------|-------------------------|
| 1. $\text{BBr}_3$            | boron tribromide        |
| 2. $\text{C}_2\text{Br}_6$   | dicarbon hexabromide    |
| 3. $\text{Ag}_3\text{P}$     | silver (I) phosphide    |
| 4. $\text{IO}_2$             | iodine dioxide          |
| 5. $\text{VO}_2$             | vanadium (IV) oxide     |
| 6. $\text{PbS}$              | lead (II) sulfide       |
| 7. $\text{CH}_4$             | carbon tetrahydride     |
| 8. $\text{N}_2\text{O}_3$    | dinitrogen trioxide     |
| 9. $\text{NH}_4\text{Br}$    | ammonium bromide        |
| 10. $\text{P}_2\text{O}_5$   | diphosphorous pentoxide |
| 11. $\text{K}_3\text{N}$     | potassium nitride       |
| 12. $\text{SO}_2$            | sulfur dioxide          |
| 13. $\text{Zn}_3\text{P}_2$  | zinc (II) phosphide     |
| 14. $\text{Cu}_2\text{SO}_4$ | copper (I) sulfate      |
| 15. $\text{XeF}_6$           | xenon hexafluoride      |

Convert the following compound names to formulas:

| Compound Name                  | Formula                      |
|--------------------------------|------------------------------|
| 1. tetraphosphorus triselenide | $\text{P}_4\text{Se}_3$      |
| 2. iron (II) phosphide         | $\text{Fe}_3\text{P}_2$      |
| 3. disilicon hexabromide       | $\text{Si}_2\text{Br}_6$     |
| 4. diselenium diiodide         | $\text{Se}_2\text{I}_2$      |
| 5. gallium(III) oxide          | $\text{Ga}_2\text{O}_3$      |
| 6. tetrasulfur dinitride       | $\text{S}_4\text{N}_2$       |
| 7. silicon dioxide             | $\text{SiO}_2$               |
| 8. nickel (III) sulfide        | $\text{Ni}_2\text{S}_3$      |
| 9. diboron tetrabromide        | $\text{B}_2\text{Br}_4$      |
| 10.ammonium carbonate          | $(\text{NH}_4)_2\text{CO}_3$ |
| 11.tin (IV) phosphate          | $\text{Sn}_3(\text{PO}_4)_4$ |
| 12.carbon tetrachloride        | $\text{CCl}_4$               |
| 13.manganese (VII) arsenide    | $\text{Mn}_3\text{As}_7$     |
| 14.hydrogen chloride           | $\text{HCl}$                 |
| 15.calcium nitride             | $\text{Ca}_3\text{N}_2$      |