

## **More Covalent Compound Naming Practice**

*Using the formulas provided, name each of the following compounds:*

- 1) TeBr<sub>4</sub> \_\_\_\_\_
- 2) PCl<sub>3</sub> \_\_\_\_\_
- 3) AsCl<sub>3</sub> \_\_\_\_\_
- 4) NH<sub>3</sub> \_\_\_\_\_
- 5) IBr<sub>3</sub> \_\_\_\_\_
- 6) PBr<sub>5</sub> \_\_\_\_\_
- 7) Tel<sub>2</sub> \_\_\_\_\_
- 8) AsI<sub>5</sub> \_\_\_\_\_
- 9) SeCl<sub>4</sub> \_\_\_\_\_
- 10) PF<sub>3</sub> \_\_\_\_\_

*Write the formulas of the following covalent compounds using the names shown:*

- 11) disilicon hexabromide \_\_\_\_\_
- 12) phosphorus triiodide \_\_\_\_\_
- 13) carbon disulfide \_\_\_\_\_
- 14) tellurium dibromide \_\_\_\_\_
- 15) boron trichloride \_\_\_\_\_
- 16) arsenic tribromide \_\_\_\_\_
- 17) dicarbon hexachloride \_\_\_\_\_
- 18) phosphorus pentafluoride \_\_\_\_\_
- 19) carbon tetrabromide \_\_\_\_\_
- 20) hydrogen bromide \_\_\_\_\_

## More Covalent Compound Naming Practice - **Answers**

Using the formulas provided, name each of the following compounds:

- 1) tellurium tetrabromide
- 2) phosphorus trichloride
- 3) arsenic trichloride
- 4) ammonia (this is *never* called nitrogen trihydride)
- 5) iodine tribromide
- 6) phosphorus pentabromide
- 7) tellurium diiodide
- 8) arsenic pentaiodide
- 9) selenium tetrachloride
- 10) phosphorus trifluoride

Write the formulas of the following covalent compounds using the names shown:

- 11)  $\text{Si}_2\text{Br}_6$
- 12)  $\text{PI}_3$
- 13)  $\text{CS}_2$
- 14)  $\text{TeBr}_2$
- 15)  $\text{BCl}_3$
- 16)  $\text{AsBr}_3$
- 17)  $\text{C}_2\text{Cl}_6$  (also called hexachloroethane, if you know organic chem)
- 18) phosphorus pentafluoride
- 19) carbon tetrabromide
- 20) hydrogen bromide (may also be called hydrobromic acid, depending on context)