

Naming Ionic and Covalent

Name - \_\_\_\_\_ KEY \_\_\_\_\_

Name these compounds. They may be either ionic or covalent.

- |      |                                   |                          |
|------|-----------------------------------|--------------------------|
| 1.)  | LiOH                              | lithium hydroxide        |
| 2.)  | PBr <sub>3</sub>                  | phosphorus tribromide    |
| 3.)  | Na <sub>2</sub> SO <sub>4</sub>   | sodium sulphate          |
| 4.)  | (NH <sub>4</sub> ) <sub>2</sub> S | ammonium sulphide        |
| 5.)  | CaCO <sub>3</sub>                 | calcium carbonate        |
| 6.)  | CF <sub>4</sub>                   | carbon tetrafluoride     |
| 7.)  | NaNO <sub>3</sub>                 | sodium nitrate           |
| 8.)  | P <sub>2</sub> S <sub>3</sub>     | diphosphorus trisulphide |
| 9.)  | Al(NO <sub>3</sub> ) <sub>3</sub> | aluminum nitrate         |
| 10.) | Mg(OH) <sub>2</sub>               | magnesium hydroxide      |

Write the formulas for the following compounds. Remember, they may be either ionic or covalent compounds, so make sure you use the right method!

- |      |                         |  |
|------|-------------------------|--|
| 11.) | potassium oxide         | K <sub>2</sub> O   |
| 12.) | phosphorus tribromide   | PBr <sub>3</sub>   |
| 13.) | calcium hydroxide       | Ca(OH) <sub>2</sub>  |
| 14.) | dinitrogen sulphide     | N <sub>2</sub> S   |
| 15.) | carbon monoxide         | CO   |
| 16.) | diboron tetrahydride    | B <sub>2</sub> H <sub>4</sub>                                  |
| 17.) | phosphorus pentabromide | PBr <sub>5</sub>   |
| 18.) | sulphur dichloride      | SCl <sub>2</sub>   |
| 19.) | sodium carbonate        | Na <sub>2</sub> CO <sub>3</sub>                                |
| 20.) | aluminum acetate        | Al(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>3</sub> |