**Intermolecular Forces Worksheet**

*For each of the following compounds, determine the main intermolecular force. You may find it useful to draw Lewis structures for some of these molecules:*

nitrogen \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

carbon tetrachloride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H2S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

sulfur monoxide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

N2H2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

boron trihydride \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CH4O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SiH2O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Intermolecular Forces Worksheet**

*Answers*

*For each of the following compounds, determine the main intermolecular force. You may find it useful to draw Lewis structures for some of these molecules:*

1) nitrogen Van der Waals/London dispersion

2) carbon tetrachloride Van der Waals/London dispersion

3) H2S dipole-dipole

4) sulfur monoxide dipole-dipole

5) N2H2 hydrogen bonding

6) boron trihydride Van der Waals/London dispersion

7) CH4O hydrogen bonding

8) SiH2O dipole-dipole