

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 _____

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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