

Chapter 10: INTERMOLECULAR FORCES - Study Guide

CHEM 1412 Chemistry OpenStax

Assessment

1. Explain the difference between intermolecular forces and intramolecular forces.

2. While dipole forces are present in all substances, they are the most significant type of intermolecular force only in substances that are normally nonpolar.

Explain briefly what causes an instantaneous dipole to be formed.

3. What is polarizability?

4. In which of the following molecules would dispersion forces be the primary type of intermolecular force?



5. Dipole-dipole interactions are forces of attraction between molecules which are permanently _____.

6. Explain briefly what is meant by the term dipole, and why would they be attracted to one another.

7. Which of the following molecules would be expected to have significant dipole-dipole interactions in the liquid state?



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