

Chapter 11: Liquids and Solids

A. Intermolecular Forces

1. The addition of heat changes the state of a compound from solid to liquid to gas as kinetic and potential energy are added to the molecules
 - a. Kinetic Energy involves the motion of the molecules
 - b. Potential Energy involves how far apart the molecules are



2. Intermolecular Forces hold the molecules together
 - a. Ion-Dipole Interactions: Na^+Cl^- interactions with water
 - b. Dipole-Dipole Attractions: interaction of polar molecules
 - c. Hydrogen Bonding: special dipole-dipole attraction in molecules where H is bonded to an electronegative atom (O, N, F, etc...)
 - i. Small size of H lets the dipoles get very close
 - ii. Large electronegativity difference makes attraction great

Grade11 Experiment Intermolecular Force

SA Adler



Grade11 Experiment Intermolecular Force:

Grade11 Experiment Intermolecular Force Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has be more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Grade11 Experiment Intermolecular Force**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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