



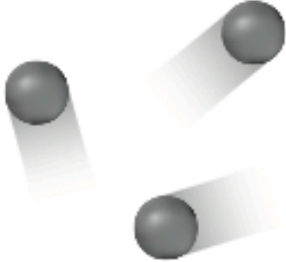
Key Concept Builder 

LESSON 1

Solids, Liquids, and Gases

Key Concept How are the forces between particles different in solids, liquids, and gases?

Directions: On the line before each statement, write T if the statement is true or F if the statement is false. If the statement is false, change the underlined word(s) to make it true. Write your changes on the lines provided. Use the diagram to answer the questions.

			
State	solid	liquid	gas
Particle Speed	slowest	medium	fastest
Attractive Forces Between Particles	strongest	medium	weakest

- _____ 1. Opposite charges repel each other and create attractive forces between two particles. _____
- _____ 2. As particles increase speed, attractive forces get stronger. _____
- _____ 3. As particle force weakens, particle space increases. _____
- _____ 4. The attractive forces in a solid are strong. _____
- _____ 5. Strong forces between particles slow particle movement in a liquid with high surface tension. _____
- _____ 6. Cohesion is the attractive force between similar molecules. _____
- _____ 7. Gas has the weakest attractive forces between particles. _____