

Solids, Liquids, and Gases ▪ *Review and Reinforce*

Changes of State

Understanding Main Ideas

Complete the table by writing whether there is an gain or loss of thermal energy for each change of state and whether the movement of particles increases or decreases.

Change of State	Thermal Energy	Movement of Particles
1. Melting		
2. Freezing		
3. Vaporization		
4. Condensation		
5. Melting		

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Building Vocabulary

From the list below, choose the term that best completes each sentence.

- | | | |
|---------------|----------|--------------|
| melting point | melting | sublimation |
| boiling point | freezing | vaporization |
| evaporation | boiling | condensation |

6. The temperature at which a liquid boils is called its _____.
7. The change in state from gas to liquid is called _____.
8. The change in state from liquid to gas is called _____.
9. Gas bubbles forming throughout the liquid is called _____.
10. Liquid changing to gas only at the surface is called _____.
11. The change in state from solid to liquid is called _____.
12. The change in state from liquid to solid is called _____.
13. In most pure substances, melting occurs at a specific temperature, called the _____.
14. In _____, particles pass directly from solid to gas.