

**Solids, Liquids, and Gases** ▪ 3.2 Review and Reinforce

## Changes of State

**Understanding Main Ideas**

Complete the table by writing whether there is a 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. Sublimation		

**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 during a change in state 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.