

Name: \_\_\_\_\_

### Section 1 Reading Guide

1. Read the paragraph below. Underline any solids, circle any liquids, and box any gases

*The water begins to bubble. Steam rises from the pot. You want your hot chocolate, but it is too hot to drink. You don't want to wait for it to coll down. So, you add an ice cube. You watch the ice melt in the hot liquid until the drink is just the right temperature.*

2. What are the names for the three different states of water?
3. In the space below, redraw Figure 1 on page 66.



**Particles of a \_\_\_\_\_**  
do not move fast enough to overcome the strong attraction between them. So, they are close together and vibrate in place.



**Particles of a \_\_\_\_\_**  
move fast enough to overcome some of the attraction between them. The particles are close together but can slide past one another.



**Particles of a \_\_\_\_\_**  
move fast enough to overcome almos all of the attractrion between them. The particles are far apart and move independently of one another.

4. A **solid** is a state of matter that has a \_\_\_\_\_ shape and volume.
5. The attraction between a solid is \_\_\_\_\_ than the attraction between the particles of the same substance in a liquid or gaseous state.
6. The only type of movement particles in a solid do is \_\_\_\_\_.