Name	Class	Date
Skills Worksheet		
<b>Concept Review</b>		
Section: Matter	and Energy	
1. Identify each of the	e following as a gas, liquid, solid	l, or plasma.
	-	e closely packed together, I slide past each other.
	<b>b.</b> The particles are motion and rare	e in a constant state of ly stick together.
	<b>c.</b> The particles are	e locked in fixed positions.
	<b>d.</b> The particles are	e broken apart.
	that best completes each staten ace as water changes state from as back to liquid.	9
<b>a.</b> Energy must be cules as ice me	added/released (choose one) to ts.	separate the water mole-
	vest (choose one) moving molecular water to form water vapor.	ules break away from the
<b>c.</b> The process des	scribed in (b) is called	·
<b>d.</b> During the above	re process, energy is released/abs	sorbed (choose one).
<b>e.</b> Water molecule to the liquid wa	s speed up/slow down (choose o ter state.	ne) as water vapor returns

**f.** The process described in (e) is called \_\_\_\_\_

neous mixture of sugar and water as it is boiled.

**g.** Energy is released/absorbed (choose one) during the above process. **3.** Apply the kinetic theory to describe the motion of particles in a homoge-

**4. Explain** how mass and energy are conserved when water evaporates.