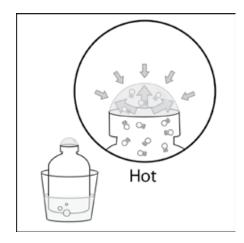
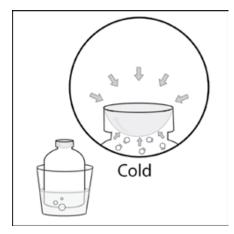
Name	Date	Period	Page
Air,	It's Really The	re - Notes	
Question to Investigate:			
Key Concepts:			
In a gas, the particles have			
They are able to move			with
			between them.
The particles of a gas are			
and move			while compared
to the particles of liquids and solid	ls.		
Whether a substance is a solid, liqu	uid or gas at a certair	temperature depe	ends on
		of the p	particles at that
temperature and			their attractions
are for one another.			
Heating a gas	the speed	of its atoms or mo	lecules.
Cooling a gas	the speed	l of its atoms or m	olecules.

Air, It's Really There

ANIMATION OF A BUBBLE AS ITS HEATED AND COOLED. As you watch the animation, use the picture below to help you answer the following questions.





What caused the bubble to form when you placed the bottle in hot water? (Be sure to write about the speed of the molecules inside the bubble and the force on the bubble from the outside air.)

Why did the bubble get smaller when you placed the bottle in cold water? (Be sure to write about the speed of the molecules inside the bubble and the force on the bubble from the outside air.)

<u>Draw circles to represent the molecules</u> in a solid, liquid, and gas. Because all three different substances are all at the same temperature, draw the same number of motion lines near the circles for each substance. <u>Under each box</u>, <u>write about the arrangement</u> and motion of the molecules and the attractions the molecules have for one another.

Solid	Liquid	Gas