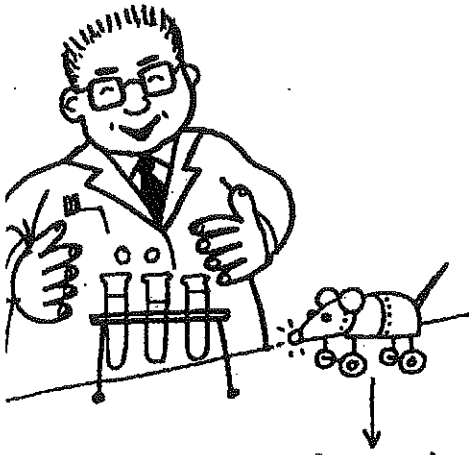

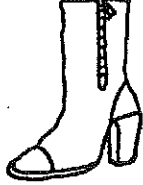


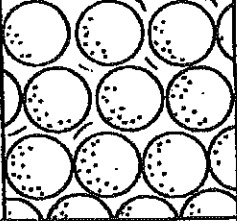
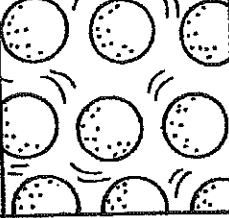



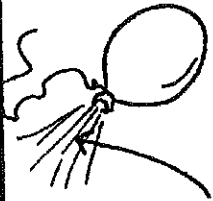
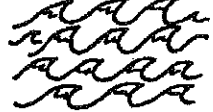



A-MAZING MATTER

While physicist Dr. Thermo Sparks is describing the three states of matter, his pet rat is worrying about his next meal. Here's how you can help him. Color the squares about liquids red, the squares about gases green, and the squares about solids yellow. Then draw a line on the yellow path for Robo Rat to get to the cheese.



LIQUID	SOLID	has a definite size but no definite shape			Water takes this form above 100° C.
has a definite size & shape	GAS	has no definite size or shape		can be poured	
		Water takes this form below 0° C.	takes the shape and size of any container		Things take this form when they freeze.
takes the shape of the container but not the size		Water takes this state between 0° and 100° C.	Water changes to this state above 100° C.		
	Solids take this state when they melt.				Liquids take this state when they evaporate.

Name _____

Key Concept Builder **LESSON 1****Solids, Liquids, and Gases****Key Concept** How do particles move in solids, liquids, and gases?**Directions:** Put a check mark in the column that describes each statement. More than one column may be checked.

Statement	Solid	Liquid	Gas
1. Its matter has a definite volume but no definite shape.			
2. The particles move randomly in all directions and at different speeds.			
3. The particles in the matter are close together and vibrate back and forth.			
4. Its matter has a definite shape and a definite volume.			
5. The distance between the particles is so great there is little or no attraction between them.			
6. The particles move in straight lines until they collide with something.			
7. The particles are farther apart than in a solid and can move freely and slide past each other.			
8. The speed and direction of the particles are changed by collisions.			
9. Its matter has no definite volume and no definite shape.			