

# Matter Worksheet

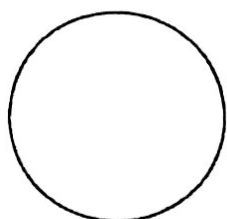
Name \_\_\_\_\_

Ms. Scott

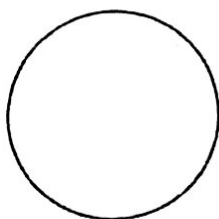
Date \_\_\_\_\_

1. What is Matter?

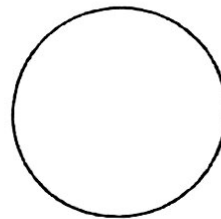
2. In the circles below, draw how molecules would look in each of the three basic states of matter:



Solid

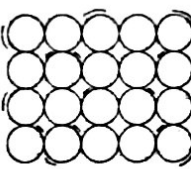
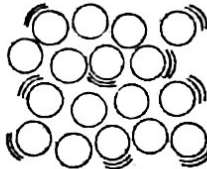
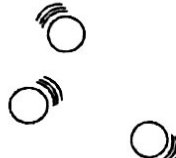


Liquid



Gas

3. Match each Term on the left with the best Descriptor on the right. Each Descriptor may be used only Once.

Term		Descriptor	
	Mass	A.	Anything that has mass and volume
	Solid	B.	Amount of space an object takes up
	Gas	C.	Amount of matter in an object
	Matter	D.	
	Liquid		
	Volume		
		E.	
		F.	

4. Complete the following table to describe the three states of matter. The table has been partially completed.

	Solid	Liquid	Gas
Shape		Not fixed; takes the shape of the container	
Volume	Fixed volume		
Spaces Between Particles			
Movement of Particles			Can move freely and quickly in all directions in the container

5. Fill in the blanks using the information obtained during the class activity. During a phase change, heat energy is absorbed or released. Energy is \_\_\_\_\_ when a solid changes to a liquid and when a liquid changes to a \_\_\_\_\_. Energy is \_\_\_\_\_ when a gas changed to a liquid and when a liquid changes to a \_\_\_\_\_.