

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

Directions: Use this paper or **ONE** other sheet of paper to construct your own review sheet. The paper can be written on front **AND** back. The questions below are a guide to what you need to know. You may use the test review during the test. It will be collected and saved for you to use at the end of the semester for the semester final.

### Unit One – Matter Review

**Matter-** What is it? What is it made of? What are the common states?

**Phases of Matter-** How are solids, liquids and gases similar and different in their attractions, movement, volume and shape?

	Solids	Liquids	Gases
Attractions			
Movement			
Volume			
Shape			

**Draw pictures of each state of matter-** be sure to show distance between the particles and motion lines for each.

Solid	Liquid	Gas

Water droplets combine when they touch. What does this observation reveal about water?

Food coloring dissolves evenly into water without an assistance. What does this observation reveal?

How does the temperature of water affect how food coloring moves throughout water?

An "empty" bottle with a thin film of bubble solution over the top forms a bubble over the top when placed in hot water. Why?

A wooden door can be hard to open on hot days because what happens to it?

Explain how the motion and the attraction of atoms in the metal ball and ring demo cause the ball to fit through the ring at room temperature and not after being heated.