

The States of Matter

Name: _____

Date: _____

Per: _____

Read pages 40-44 in the Nature of Matter Book & answer the following questions.

1. What is matter? _____
2. What is matter made up of? _____
3. What are the three states of matter mentioned in the book?
_____ Can you list the fourth state which is not mentioned in the book? _____.
4. Describe the movements of particles in each of the three states of matter and draw a diagram of each below:



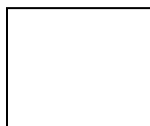
Solid

Type of Particle movement:



Volume

Type of Particle movement:



Gas

Type of Particle movement:

5. Define the two properties of matter that determine its state?

6. Name the property that liquids and solids share.
_____ How about liquids and gases? _____
7. A scientist places 25 mL of a yellow substance into a 50 mL container. The substance quickly fills the entire container. Is it a solid, Liquid, or a gas?
_____ Explain:

8. The particles in liquid A have a stronger attraction to each other than the particles in liquid B. If both liquids are at the same temperature, which liquid has a higher viscosity? _____ Explain:

