

Solids, Liquids, and Gases

(Chapter 8, section 1)

Name _____

Period _____

1. A fourth state of matter called _____ is high-energy matter consisting of positively and negatively charged particles.
2. What are two main factors that determine the state of matter?
3. A _____ is matter that has a definite shape and a definite volume.
4. What are four characteristics of particles in a solid?
5. A _____ is a solid in which the particles are arranged in a specific, repeating order.
6. An _____ is solid in which the particles are arranged randomly.
7. A _____ is matter with a definite volume but no definite shape.
 - a. What happens to the shape of a liquid if you move it from one container to another?
8. What are three characteristics of particles in a liquid?
9. _____ is a measurement of a liquid's resistance to flow.
10. _____ results from the inward pull on particles in a liquid that brings particles on the surface closer together.
11. A _____ is matter that has no definite volume and no definite shape.
12. What are three characteristics of particles in a gas?

13. What happens to the shape and volume of a gas if you move it from a small container to a larger container?

14. _____ is the gas state of a substance that is normally a solid or a liquid at room temperature.