States of Matter Study Guide

1. What is everything in the universe is made of?
2. What are the characteristics of matter called?
3. What is matter is made of?
4. What are the main three states of matter?
5. What is used to change matter from one state to another?
6. Describe the process that turns a liquid into a gas.
7. Describe the process that turns a gas into a liquid.
8. Describe the process that turns a solid into a liquid.
9. Which state of matter has a definite volume and a definite shape?
10. Which state of matter has a definite volume but no definite shape?
11. Which state of matter does not have a definite volume or definite shape?
12. Explain how the particles of matter move and are packed together for each a solid, a liquid, and a gas.
13. What happens when a substance changes from a liquid into a solid and what is the temperature at this point called?
14. What happens when a substance changes from a liquid into a gas and what is the temperature at this point called?
15. What happens when a substance changes from a solid to a liquid and what is the temperature at this point called?
16. Explain the difference in what type of movement occurs in matter when particles in matter heat up as to when they cool down?
17. Explain the difference between condensation and evaporation.
18. Explain what sublimation is.