Chapter 5 Name:_____
States of Matter Date:_____ Per:___

Directions: Read pages 97-101 in your textbook. Then answer the following questions. You may work quietly with the person sitting next to you.

1. Define **melting point.** Include an example with a colored picture.

2. Define **boiling point.** Include an example with a colored picture.

3. a) What happens to the temperature of ice at its melting point while you add heat?

   b) While it's melting, does it gain or lose energy?

4. Most materials have a higher density as a _____ than as a _____.

5. Explain **why** ice has a lower density than water.

6. What is water's melting point? Boiling point?

7. Define **evaporation.** Include an example with a colored picture.

8. Why does evaporation take energy away from a liquid?

9. Define **condensation.** Include an example with a colored picture.

10. Why is it more comfortable to exercise on a day when the relative humidity is low?

11. Define **convection.** Include an example with a colored picture.

12. Why doesn't convection occur in a solid?

13. The atmosphere of Earth is a mixture of what gases?

14. Describe how water can be present in all 3 states at the same time in the atmosphere. Include a detailed, labeled drawing as an example below.