

States of Matter: Read pages 97-99 in CPO

Name: _____ Per: _____

1. List the three states of matter: _____

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

Melting point example:

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

Boiling point example:

4. a) What happens to the temperature of ice at its melting point while you add heat? Describe what happens:

b) While the ice is heated and is melting, what does the added energy do?

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

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

7. What is water's melting point? Include units _____ Boiling point? _____

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

Evaporation example:

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

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

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

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



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

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

15. 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.