Unit 9 Review

Name _____

Vocabulary Review

Use the terms in the box to complete the sentences.

condensation
matter
water vapor

1. The change of water from a gas to a liquid is _____.

2. Water in the form of a gas is _____.

3. Anything that has mass and takes up space is _____.

Science Concepts

Fill in the letter of the choice that best answers the question.

4. Taylor sees a balloon filled with air. She knows that the air in the balloon is a gas. How does she know?
   - Ⓐ The air is warm.
   - Ⓑ The air fills all the space in the balloon.
   - Ⓒ The air has its own shape.

5. What happens to water when it freezes?
   - Ⓐ It becomes a gas.
   - Ⓑ It becomes a liquid.
   - Ⓒ It becomes a solid.

6. What is the greatest volume this measuring cup can hold?

Ⓐ $\frac{1}{2}$ cup
Ⓑ 1 cup
Ⓒ 4 cups

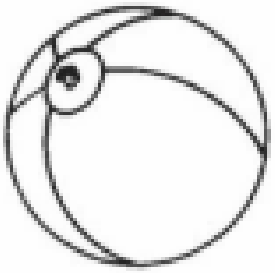
7. Which is a solid?
Ⓐ a cloud
Ⓑ a penny
Ⓒ a puddle

8. How is the water changing?

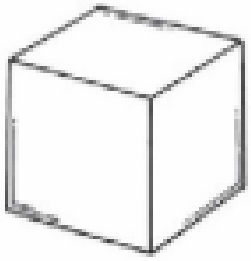
Ⓐ It is melting.
Ⓑ It is evaporating.
Ⓒ It is condensing.

9. Which word tells the amount of space matter takes up?
Ⓐ mass
Ⓑ solid
Ⓒ volume

10. Look at the properties of this object.



Which of these objects has about the same shape and texture?

Ⓐ 

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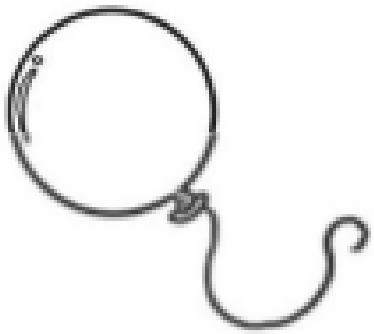
Ⓒ 

11. How does matter change when it melts?

Ⓐ It turns from a liquid to a gas.

Ⓑ It turns from a solid to a liquid.

Ⓒ It turns from a liquid to a solid.

12. Which is true about all liquids?

Ⓐ All liquids take the shape of their container.

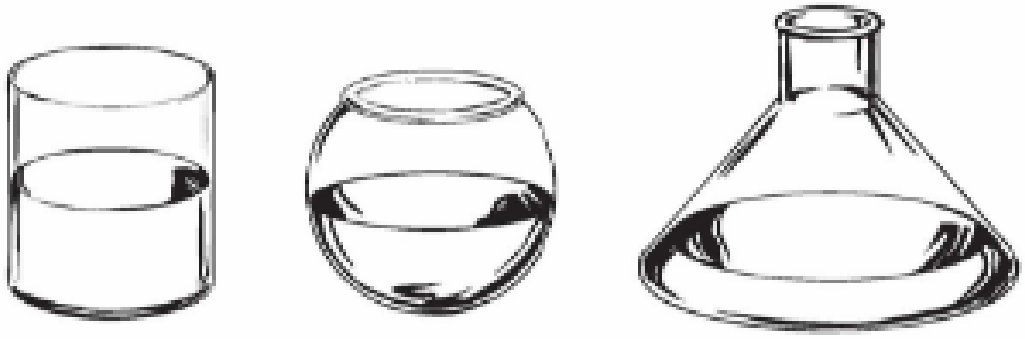
Ⓑ All liquids have their own shape.

Ⓒ All liquids are cold.

Inquiry and the Big Idea

Write the answers to these questions.

13. The same kind of matter is in these three containers.



a. What state of matter is the material? How do you know?

b. How can you measure the volume of the matter in the first container?

c. What would happen to the material if you added heat to it?

d. What would happen to the material if you took heat away from it?