

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Grade: \_\_\_\_\_



***Describing Matter***

*You are making progress! Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.*

1. \_\_\_\_\_ is anything that takes up space and has **mass**.
2. Air takes up space. (a) True or (b) False
3. \_\_\_\_\_ is the amount of **matter** in an object or a material.
4. Scientists have grouped all living things into five \_\_\_\_\_ according to the types of \_\_\_\_\_ in those living things.
5. The two categories with which you are probably most familiar are the \_\_\_\_\_ and the \_\_\_\_\_.
6. People are part of the animal grouping because they are animals. (a) True or (b) False
7. The animal category is further divided into \_\_\_\_\_ or animals with backbones, and \_\_\_\_\_ or animals without backbones.
8. Amphibians, reptiles and mammals are classified as vertebrates. (a) True or (b) False
9. Scientists have divided matter into three groups, which together are called the \_\_\_\_\_.
10. All matter is made up of tiny particles called \_\_\_\_\_ and \_\_\_\_\_.

**Match the states of matter:**

11. \_\_\_\_\_ **Solid** (a) definite **volume** but no definite shape
12. \_\_\_\_\_ **Liquid** (b) no definite volume and no definite shape
13. \_\_\_\_\_ **Gas** (c) definite volume and definite shape
14. Which has molecules that are described as being tightly packed together? \_\_\_\_\_  
(a) solid (b) liquid (c) gas
15. All solids are as hard as a rock. (a) True or (b) False

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16. If you pour orange juice from a pitcher into a glass, what are you demonstrating?

- \_\_\_\_\_
- (a) that liquids have definite shape
  - (b) that gases do not have definite shape
  - (c) that a liquid takes on the shape of its container

17. How could you demonstrate that gas takes up space?

- \_\_\_\_\_
- (a) Release oxygen from a tank into the air.
  - (b) Blow into a balloon.
  - (c) Observe an “empty” container.
  - (d) none of these

18. The three states of matter help in identifying the way substances behave and react.

- (a) True or (b) False

19. **Review.** Classify milk, feather, steam, syrup, ice and air on the chart below:

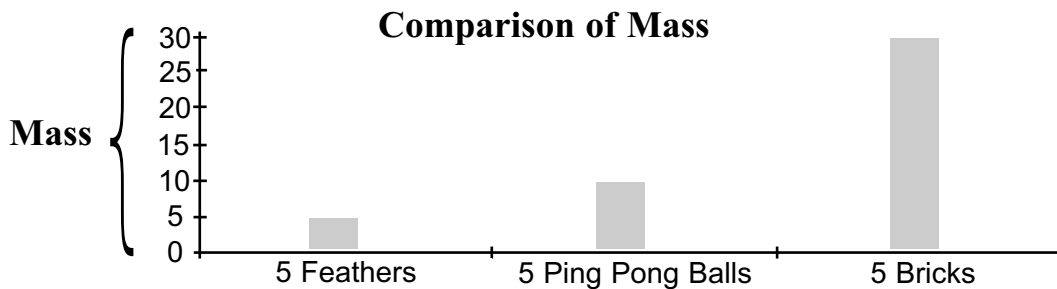
Solid	Liquid	Gas

20. At the end of the opening story episode of this lesson, you arrived at a **conclusion** about all the things in your environment: everything was composed of \_\_\_\_\_.

21. Write the **Life Principle**: “ \_\_\_\_\_  
\_\_\_\_\_.”

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Use the following graph to answer questions #22-23.



22. Which contains the most mass? \_\_\_\_\_

- (a) feathers
- (b) ping pong balls
- (c) bricks

23. Which contains the least mass? \_\_\_\_\_

- (a) feathers
- (b) ping pong balls
- (c) bricks