

Name Answer Key Date _____

MATTER Test

Directions: Fill in the blank with the correct term.

WORD BANK

matter

solid

liquid

gas

1. In a gas, particles are far away. This state of matter does not have a definite shape, nor a definite volume.
2. A solid has a definite shape and volume, and its particles are closely packed together.
3. Matter is any substance that takes up space.
4. A liquid does not have a definite shape, but it does have a definite volume.

5. List three examples of physical properties of matter:

size
shape
texture

answers may
vary

Directions: Circle the correct answer.

6. The amount of matter in object is:
- a. volume
 - ☒ b. mass
 - c. weight
 - d. density

Circle the correct answer.

31. Salad is an example of a:

solution

mixture

32. Salt water is an example of a:

solution

mixture

33. Sugar and water is an example of a:

solution

mixture

34. Sand and water is an example of a:

solution

mixture

35. Lemonade is an example of a:

solution

mixture

14. Find the density of the unknown object.

mass 40 grams volume: 20 cm³ density: 2 g/cm³

Circle the correct answer in the parenthesis.

15. If an object floats in water, it is (more less) dense than the water.

Circle the correct answer.

16. A burning log is an example of what type of change?

physical

chemical

17. A cut paper is an example of what type of change:

physical

chemical

18. Cooking a cake is an example of what type of change?

physical

chemical

19. Chopping wood is an example of what type of change?

physical

chemical

Match the term to the correct definition.

20. Melting Point

a. the temperature at which a liquid becomes a solid

21. Boiling Point

b. the temperature at which a liquid becomes a gas

22. Freezing Point

c. the temperature at which a solid becomes a liquid

6. Measures the effect that gravity has on an object and is measured in Newtons:

- a. volume
- b. mass
- ☒ c. weight
- d. density

7. How much space an object takes up is:

- a. density
- b. mass
- c. weight
- ☒ d. volume

8. How much matter in a given volume is:

- a. weight
- b. mass
- c. volume
- ☒ d. density

Circle the correct answer. There can be more than one correct answer.

9. Which tools should you use to find the mass of an object?

scale or balance ruler or graduated cylinder microscope

10. Which tools should you use to find the volume of an object?

scale or balance ruler or graduated cylinder microscope

11. Which tools should you use to find the density of an object?

scale or balance ruler or graduated cylinder microscope

Circle the correct answer.

31. Salad is an example of a:

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Directions: Fill in the blank with the correct term. Terms can be used more than once.

WORD BANK

evaporation

condensation

cool temperatures

hot temperatures

23. The change from liquid to a gas is known as evaporation.
24. The change from gas to a liquid is known as condensation.
25. Hot temperatures are needed for evaporation.
26. Cool temperatures are needed for condensation.
27. The water that forms on the outside of a water bottle is known as condensation.
28. Steam is an example of evaporation.

Directions: Write True or False. If the answer is false, change the underlined word in order to make the statement true.

29. A mixture is a combination of two or more substances that bond together and can not be separated.
False A solution is a combination of two or more substances that bond together and can not be separated.
30. The substance that dissolves another substance in a solution is known as the solvent.
True