

Matter Chapter 2 Practice Test

States of Matter

MULTIPLE CHOICE

Circle the letter of the best answer for each question.

1. What type of matter does Boyle's law tell us about?
 - a. solids
 - b. liquids
 - c. gases
 - d. any kind of matter
2. What happens when a liquid becomes a gas?
 - a. The particles give off energy.
 - b. The particles break away from each other.
 - c. The particles move closer together.
 - d. The particles slow down.
3. What is the same as the melting point of salt?
 - a. its boiling point
 - b. its condensation point
 - c. its freezing point
 - d. its sublimation point
4. Carbon dioxide gas can enter the air from dry ice. What has to happen to the dry ice?
 - a. The dry ice must gain energy.
 - b. The dry ice must boil.
 - c. The dry ice must increase in pressure.
 - d. The dry ice must go through an exothermic change.

Chapter Test C *continued*

MATCHING

Read the description. Then, draw a line from the dot next to each description to the matching word.

- | | | |
|---|---|---------------------|
| 5. This can be found by measuring the speed of molecules. | ● | a. states of matter |
| 6. This happens when soup boils. | ● | b. temperature |
| 7. Ice, water, and steam are kinds of these. | ● | c. pressure |
| 8. This increases when the amount of force per unit area increases. | ● | d. change of state |

Chapter Test C *continued***FILL-IN-THE-BLANK**

Read the words in the box. Read the sentences. Fill in each blank with the word or phrase that best completes the sentence.

Charles's law

solid

liquid

Volume

surface tension

gas

9. The volume of a gas is related to its temperature. Pressure must be constant. This is _____.
10. The amount of space that an object takes up is its _____.
11. The particles of a crystalline _____ have a three-dimensional pattern.
12. A state of matter with fixed volume, but not a fixed shape, is a _____.
13. Gasoline has a low _____ and forms flat drops.
14. The particles of a _____ are far apart

Chapter Test C *continued*

MATCHING

Draw a line from each term to the matching number on the picture.

condensation

melting

evaporation

freezing

