

Unit 2 Study Guide

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

1. The force per unit area is _____.
a. pressure c. a reaction force
b. a buoyant force d. acceleration

2. The volume of gas kept at constant pressure will increase when its temperature is increased. This relationship is stated by _____.
a. Charles' law c. Bernoulli's principle
b. Pascal's principle d. Boyle's law

3. Particles of matter arranged in repeating patterns form _____.
a. amorphous solids c. viscous liquids
b. crystals d. models

4. The energy needed to change from a solid to a liquid state is called _____.
a. the freezing point c. the melting point
b. heat of vaporization d. heat of fusion

5. The temperature at which a liquid changes into a solid is the _____.
a. boiling point c. freezing point
b. sublimation point d. condensation point

6. The property of a liquid that describes how it flows or pours is called its _____.
a. viscosity c. flux
b. buoyant force d. thermal expansion

7. A liquid can change into a gas without boiling. This process is called _____.
a. evaporation c. sublimation
b. condensation d. compression

8. A gas cools and changes into a liquid. This process is called _____.
a. condensation c. evaporation
b. freezing d. sublimation

9. The state of matter that has a definite shape and volume is _____.
a. liquid c. gas
b. plasma d. solid

10. As the temperature goes up, the volume of matter usually increases. This increase is called _____.
a. kinetic enlargement c. thermal expansion
b. buoyant force d. kinetic magnification