Choose the correct answers

Check Concepts

7. At what temperature is the pressure of the vapor in a liquid equal to the external pressure on that liquid?
   - **A)** absolute zero
   - **B)** boiling point
   - **C)** melting point
   - **D)** heat of fusion

8. What is the most common state of matter in the universe?
   - **A)** solid
   - **B)** gas
   - **C)** liquid
   - **D)** plasma

9. What is the amount of energy needed to change a solid to a liquid at its melting point?
   - **A)** heat of fusion
   - **B)** temperature
   - **C)** heat of vaporization
   - **D)** absolute zero

10. Which is a unit of pressure?
    - **A)** gram
    - **B)** kilopascals
    - **C)** newtons
    - **D)** kilograms

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11. What force does the upward arrow in the diagram above represent?

A) pressure
B) density
C) buoyant force
D) gravitational force

12. Which uses Pascal's principle?

A) aerodynamics
B) buoyancy
C) hydraulic lift
D) changes of state

13. Which uses Bernoulli's principle?

A) hose-end sprayer
B) skateboard
C) piston
D) snowboard

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