What is the most common state of matter in the universe?

A) solid
B) gas
C) liquid
D) plasma

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

In which state of matter would you expect to find water on Earth's surface if the temperature is -25°C?

A. solid
B. liquid
C. gas
D. plasma

Which describes the energy required for a liquid at its boiling point to become a gas?

A. heat of vaporization
B. diffusion
C. heat of fusion
D. thermal energy

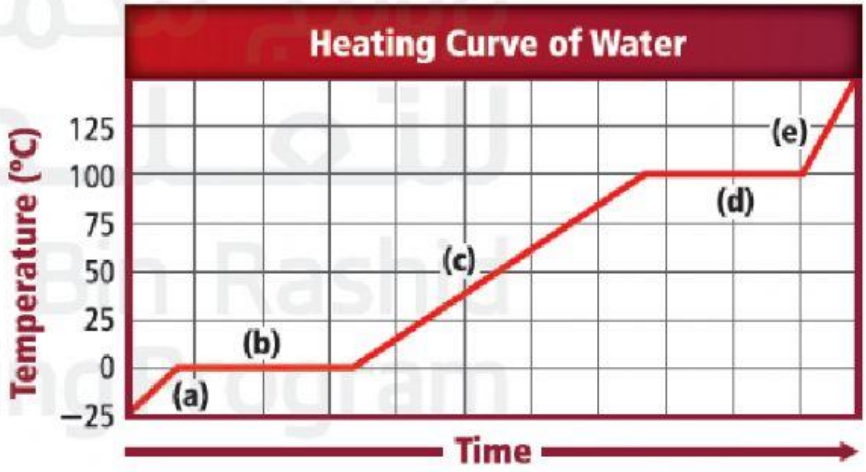
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In which state of matter do particles stay close together, yet can slide past each other?

A. solid **C.** gas

B. liquid **D.** plasma

Use the figure below to answer question 14.



14. BIG Idea A student continuously heated ice until it turned to steam and graphed the change in temperature over time. Explain what is happening at each letter (a, b, c, d, and e) in the graph, shown above.

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