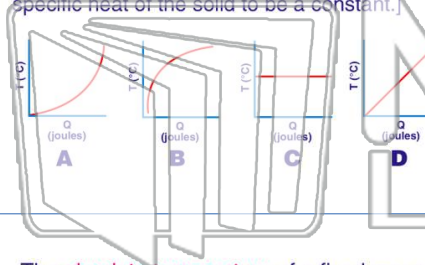


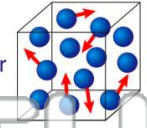


Name _____ Class _____ Date _____

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2 A given mass of a gas is enclosed in a rigid container. If the **velocity of the gas molecules** colliding with the sides of the container **increases**, the



- A density of the gas will increase
- B pressure of the gas will increase
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3 The **absolute temperature** of a fixed mass of ideal gas is **tripled** while its **volume remains constant**. The **ratio** of the final pressure to the initial pressure is

4 Compared to the boiling point of pure water, the **boiling point** of a **salt-water** solution is

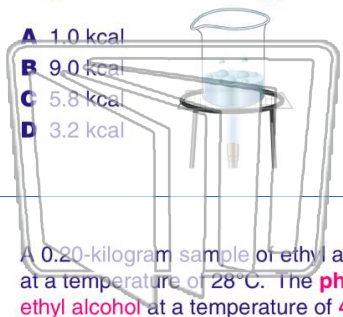


5

PREVIEW

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7 is needed to raise the temperature of the ethyl alcohol to its **boiling point**?



- A 1.0 kcal
- B 9.0 kcal
- C 5.8 kcal
- D 3.2 kcal

8 point, how much heat is needed to change the ethyl alcohol from **liquid to vapor**?



- A 5.0 kcal
- B 41 kcal
- C 78 kcal
- D 204 kcal

9 A 0.20-kilogram sample of ethyl alcohol is at a temperature of 28°C. The **phase of ethyl alcohol** at a temperature of **400 K** and **1 atmosphere** is

- A gas, only
- B liquid, only
- C solid, only
- D liquid and gas

10 An **aluminum block** at a temperature of **100°Celsius** is immersed in **water at 20°Celsius**. Compared to the internal energy gained by the water, the **internal energy lost** by the aluminum is

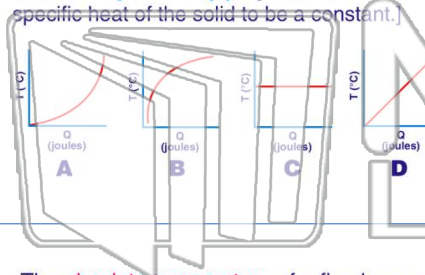


- A less
- B greater
- C the same

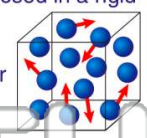


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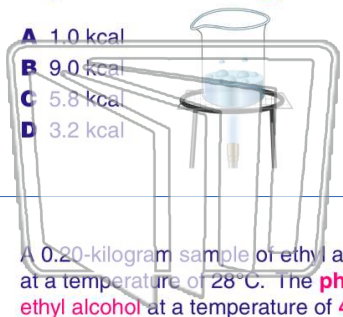
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