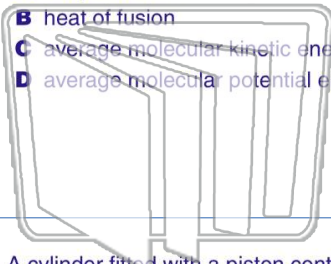




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 As **lead melts**, there is a **change** in its

- A temperature
- B heat of fusion
- C average molecular kinetic energy
- D average molecular potential energy



2 How do the **freezing point** and **boiling point** of **ocean water** compare to those of **distilled water**?

- A Ocean water freezes at a lower temperature and boils at a lower temperature.
- B Ocean water freezes at a lower temperature and boils at a higher temperature.
- C Ocean water freezes at a higher temperature and boils at a lower temperature.
- D Ocean water freezes at a higher temperature and boils at a higher temperature.

3 A cylinder fitted with a piston contains a fixed mass of an ideal gas. Heat is added to the gas, causing it to expand and raise the piston. **If all the added heat is converted to**

4 Two solid metal blocks are placed in an insulated container. If there is a **net flow of heat between the blocks**, they must have **different**



**PREVIEW**

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7 **atmosphere** and its temperature is above 100°C. If the radiator's pressure cap is removed, the pressure of the coolant is **lowered to 1.0 atmosphere**, causing the **boiling point of the coolant to**

- A decrease
- B increase
- C remain the same



**kinetic energy** of the molecules of the gas will be

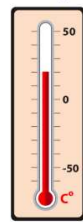
- A half as great
- B twice as great
- C one-fourth as great
- D four times as great

9 **Absolute zero** is best described as the temperature at which

- A water freezes at standard pressure
- B water is at its triple point
- C the molecules of a substance have maximum kinetic energy
- D the molecules of a substance have minimum kinetic energy

10 A temperature change of **20 Celsius degrees** is equal to a temperature change of

- A 20 Kelvins
- B 120 Kelvins
- C 253 Kelvins
- D 293 Kelvins

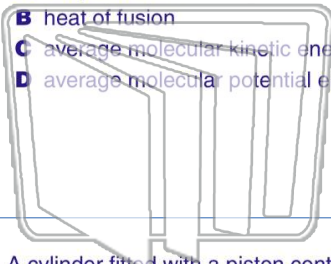




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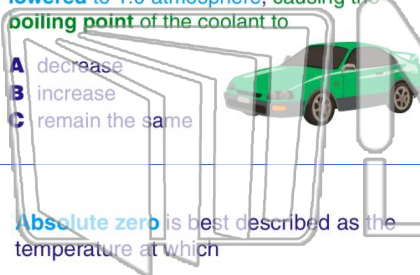


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