



THE VILLAGE
INTERNATIONAL SCHOOL
"We Nurture Dreams"

PHYSICS

1. In an open system, for maximum work, the process must be entirely
 - a) irreversible
 - b) reversible
 - c) adiabatic
 - d) isothermal
2. Wooden clothes keep the body warm, because wool
 - a. Is a bad conductor
 - b. Increases the temperature of body
 - c. Decrease the temperature
 - d. All of these
3. Mercury thermometer can be used to measure temperature upto
 - a. 260°C
 - b. 100°C
 - c. 360°C
 - d. 500°C
4. A quantity of heat required to change the unit mass of a solid substance from solid state to liquid state, while the temperature remains constant, is known as
 - a. Latent heat of vaporisation
 - b. Sublimation
 - c. Condensation
 - d. latent heat of fusion
5. At a common temperature, a block of wood and a block of metal feel equally cold or hot. The temperature of block and wood are
 - a. Equal to the temperature of the body
 - b. Less than the temperature of the body
 - c. Greater than temperature of the body
 - d. Either b or c



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- 1 The specific heat of a gas in an isothermal process _____
- 2 The change in temperature of a body is 50°C . The change in temperature on the Kelvin scale is
- 3 On the absolute scale of temperature given by Kelvin, steam point has a value of
- 4 The specific heat of a gas in an adiabatic process is _____
- 5 Zeroth law of thermodynamics.....
 - i. Deals with conversion of mass and energy
 - ii. Deals with reversibility and irreversibility of process
 - iii. States that if two system are both in equilibrium with a third system, they are in thermal equilibrium with each other
 - iv. Deals with heat engines.

