

Board – CBSE

Class – 7

Topic – Heat and its Transfer

1. List two main effects of heat.
2. Define Temperature.
3. What do you understand by upper fixed point and lower fixed point?
4. Why is mercury and not water used in thermometers?
5. Name the scales used to measure temperature.
6. Give reasons for the following
 - i) Table mats are made from cane or plastics.
 - ii) Ventilators are situated close to the ceiling.
 - iii) Handles of bikes and scooters are covered with rubber.
 - iv) We prefer to wear white clothes in summer
 - v) The heating coils of a room heater have a shiny curved metal surface.
 - vi) Solar cookers are painted black from the inside.
7. When you keep an ice cube on your palm, it melts slowly. So from where does, the flow of heat takes place?
8. Distinguish between:
 - i) Conduction and Convection
 - ii) Conductors and Insulators
9. In boiling of water in a steel utensil by using a stove, describe the process of heat transfer.
10. (i) How does the convection current form?
(ii) A hot utensil kept away from the flame cools down. How?