

BIJENDRA PUBLIC SCHOOL, PURNEA

Class - 7

Subject - SCIENCE

Chapter - 4 HEAT

HOTS HIGHER ORDER THINKING SKILLS : THINK AND ANSWER

1. Why are the pipes of solar heater and the containers of solar cooker painted black?

Ans. The pipes of solar heater and the containers of solar cooker are painted black because black colour absorbs heat more than any other colour and this will help to keep the pipes and containers more warmer.

2. Two objects at the same temperature one smaller than the other, are placed together. In which direction will the heat be transferred? Give reason.

Ans. The direction of heat transfer would be from larger to smaller object because larger object has more surface area due to which it loses its heat much faster.

3. Why is a room heater placed near the floor and an air conditioner near the ceiling?

Ans. A room heater is placed near the floor because hot air is light. It will move up from the floor to the roof and this will make the room heated properly. Air conditioner is placed near a ceiling because cool air being heavy will move down and make the room cooler.