

Ch – 6: Flow of heat

1. Observe the picture given in figure. Water is being boiled in a pan of wide base.



- (a) Which position P or T will feel warmer?
  - (b) Fill up the boxes P and T to indicate the mode of flow of heat to the hand.
2. For setting curd, a small amount of curd is added to warm milk. The microbes present in the curd help in setting if the temperature of the mixture remains approximately between 35°C to 40°C. At places where room temperature remains much below the range, setting of curd becomes difficult. Suggest a way to set curd in such a situation.
  3. Explain the reason for the shiny reflectors of room heaters.
  4. The freezer is located at the top of the refrigerator. Explain why.
  5. Instead of water explain the reason, why do the mercury is used in the thermometer?
  6. Last Sunday, Pooja on her week off entered in her kitchen to cook rice for her family in lunch time. The moment she put fry pan on the gas stove and lighted it through the matchstick, all of sudden her 5 years small daughter entered into the kitchen and tends to touch the hot fry pan. At the same time, Pooja saw her and pushed her away from the hot fry pan. In this way, she saved her child.
    - (a) Explain why do the fry pan are provided with the plastic handles?

(b) Mention the values represented by Pooja here towards her 5 years small daughter.