

Ch 11- Heat

I Fill in the blanks.

- a) The heat from the sun reaches to us through _____
- b) The normal body temperature of human beings is _____
- c) _____ is a process of transfer of heat in a liquid or a gas by the movement of constituent particles.
- d) The measure of the degree of hotness or coldness of a body is called _____
- e) The process in which solid directly changes into gas on heating is called _____
- f) _____ is the only metal that exists as a liquid at room temperature .
- g) The substances that do not conduct heat are called _____
- h) Shiny and smooth surfaces _____ heat better than dark and rough surfaces.

II Answer the following questions.

Q1 Why mercury is used as a thermometric liquid?

Q2 Define between three modes of transfer of heat.

Q3 Explain with an activity to show convection in liquids.

Q4 Differentiate between clinical and laboratory thermometer.

Q5 Explain with an activity that gases expand on heating.

III Give reason.

- 1 A metal spoon becomes hot when placed in a hot cup of tea.
- 2 Small gaps are left between lengths of railway tracks.
- 3 Ventilators are made near the ceiling of a room.
- 4 Firemen wear highly polished and shiny suits.
- 5 One can boil water in a paper cup whereas without water the cup will get burnt .