

Chapter-1

Worksheet-2

Section 1

- Q1. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing?
- Q2. Shopkeepers selling ice blocks usually cover them with jute sacks. Explain why.
- Q3. The radiators in cars are painted black. Explain why.
- Q4. The mercury does not fall or rise in a clinical thermometer when taken out of the mouth. Explain why.
- Q5. It is preferred to use two thin blankets rather than one thick blanket. Explain the reason
- Q6. While reading a clinical thermometer, what precautions should we take?
- Q7. State the limitation of clinical thermometer
- Q8. Explain in brief, why we wear dark coloured clothes in winter and light coloured clothes in summer.
- Q9. The freezer is located at the top of the refrigerator. Explain why.
- Q10. Briefly explain, why do the kites and eagles fly without flapping their wings.

Section 2

- Q11. One liter of water at 30°C is mixed with one liter of water at 50°C . The temperature of the mixture will be:

- a) 80° C
- b) More than 50° C but less than 80° C
- c) 20° C
- d) Between 30° C and 50° C.

Q12. Convection May Occur Through

- a) Solid and Liquids
- b) Liquids and Gases
- c) Solids and Gases
- d) Solid Liquid and Gases

Q13. In solids, generally, the heat is transferred by the process of _____.

- a) Convection
- b) Radiation
- c) Conduction
- d) Insulation

Q14. A plastic spoon is dipped in a cup of ice cream, Its other end

- a) Becomes cold by Conduction
- b) Becomes cold by Convection
- c) Becomes cold by Radiation
- d) Dose not become cold

Q15. A beggar wrapped himself with a few layers of newspaper on a cold winter night. This helped him to keep himself warm because

- a) friction between the layers of newspaper produces heat

- b) air trapped between the layers of newspaper is a bad conductor of heat
- c) newspaper is a conductor of heat
- d) newspaper is at a higher temperature than the temperature of the surroundings

Q16. Shining thread in thermometer is the column of _____

- a) Mercury
- b) Water
- c) Xenon
- d) Silver dye

Q17. The maximum and minimum temperature of the day is measured by a _____

- a) Clinical Thermometer
- b) Laboratory Thermometer
- c) Maximum- Minimum Thermometer
- d) All of the above

Q18. In _____ generally, the heat is transferred by the process of conduction.

- a) Liquids
- b) Solids
- c) Gases
- d) Wood

Q19. In coastal areas, cold air flows in the day from sea to land. It is called _____

- a) Land Breeze
- b) Cold Breeze
- c) Sea Breeze
- d) Hot Breeze

Q20. To determine which object is hotter the most reliable measurement is _____

- a) By touch
- b) By colour
- c) By thermometer
- d) By Licking

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