



**INDIAN SCHOOL DARSAIT
DEPARTMENT OF SCIENCE**



Subject : SCIENCE Topic : HEAT Date of Worksheet : 26.04.2017

Resource Person: Mrs Sandhya Jitheesh Date :

Name of the Student : _____ Class & Division : VII-- Roll Number : ____

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|----|--|-----------|
| 1 | Mention the type of heat transfer in following: | 1 |
| | a. Heating of water | |
| | b. Heating of iron rod | |
| | c. Sea breeze in coastal area | Mark each |
| 2 | Why metals are good conductor of heat? | 1 |
| 3 | What is the temperature range of laboratory thermometer? | 1 |
| 4 | How is heat transferred from the sun to Earth? | 1 |
| 5 | Mercury level falls easily in a _____ thermometer. | 1 |
| 6 | Heat is a form of | 1 |
| | a. Temperature b. Energy c. Power d. Work | |
| 7 | Conduction takes place in | |
| | a. Solid only b. Liquid only c. Gases only d. All of the above. | 1 |
| 8 | Ventilation in room is due to | 1 |
| | a. Conduction b. Convection c. Radiation d. Both radiation and conduction | |
| 9 | In which method of transfer of heat do the molecules travel from the hot to the cold portion? | 1 |
| | a. Conduction b. Convection c. Radiation d. All of the above. | |
| 10 | Method of heat transfer in steel rod is | 1 |
| | a. Conduction b. Convection c. Radiation d. All of these | |
| 11 | The transfer of heat takes place from a body at -----temperature to a body at -----temperature | 1 |

- 12 Name the following:
 a. Fastest mode of transfer of heat
 b. Mode of transfer of heat where no medium is required
 c. The metal used in the bulb of thermometer
 1 mark each
- 13 What is the purpose of kink in a clinical thermometer? 1
- 14 a. Convert 25° C to °F
 b. Convert -40 °F to °C 1
- 15 Find the odd one out. Give reasons for your choice. ½ mark each
 a. Wood, paper, silver, plastic
 b. Gold, copper, cork, mercury
- 16 Why do we feel cold when our body sweats? 2
- 17 Match the following 2
- | Column A | Column B |
|---------------------------|---|
| a. Clinical thermometer | i. Maintain the temperature hot or cold |
| b. Laboratory thermometer | ii. Absorbs heat |
| c. Thermos flask | iii. Smoke moves upward |
| d. Chimney | iv. With kink |
| e. Black colour | v. Without kink. |
- 18 Black objects absorb more heat than white or polished surface. Give two daily uses of this principle. 2
- 19 What is the difference between conduction and convection? 2
- 20 What conditions are needed for the transfer of heat from one body to another by conduction? 2
- 21 Identify the mode of transfer of heat shown in the above diagram. 3

