



INDIAN SCHOOL DARSAIT
DEPARTMENT OF SCIENCE



Subject : SCIENCE Topic : HEAT Date of Worksheet : 29.04.2018

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 | Mark
each |
| | b. Heating of iron rod | |
| | c. Sea breeze in coastal area | |
| 2 | Why are metals good conductors 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 | Conduction takes place in | 1 |
| | a. Solid only b. Liquid only c. Gases only d. All of the above. | |
| 7 | Ventilation in room is due to | 1 |
| | a. Conduction b. Convection c. Radiation d. Both radiation and conduction | |
| 8 | 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. | |
| 9 | Method of heat transfer in steel rod is | 1 |
| | a. Conduction b. Convection c. Radiation d. All of these | |
| 10 | The transfer of heat takes place from a body at -----temperature to a body at -----
temperature | 1 |
| 11 | Name the following: | 1
mark
each |
| | 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 | |
| 12 | What is the purpose of kink in a clinical thermometer? | 1 |
| 13 | a. Convert from °C to °F (i) 40 °C (ii) 35 °C | 1
Mark
each |
| | b. Convert from °F to °C (i) -40 °F (ii) 50 °F | |

- 14 Find the odd one out. Give reasons for your choice. ½ mark each
 a. Wood, paper, silver, plastic
 b. Gold, copper, cork, mercury
- 15 Why do we feel cold when our body sweats? 2
- 16 Match the following 2

Column A

- a. Clinical thermometer
 b. Laboratory thermometer
 c. Thermos flask
 d. Chimney
 e. Black colour

Column B

- i. Maintain the temperature hot or cold
 ii. Absorbs heat
 iii. Smoke moves upward
 iv. With kink
 v. Without kink.

- 17 Black objects absorb more heat than white or polished surface. Give two daily uses of this principle. 2
- 18 Identify the mode of transfer of heat shown in the above diagram. 3

