



INDIAN SCHOOL NIZWA - WORKSHEET

GENERAL SCIENCE

CH: 4 HEAT

Name: _____

Date: _____

Class: VII Sec: ____

I Choose the correct answer

- One litre of water at 50°C is mixed with one litre of water at 20°C . The temperature of the resulting mixture will be
 - 70°C
 - between 50°C and 20°C
 - above 50°C
 - below 20°C
- _____ is the transfer of energy in the form of rays or waves
 - Conduction
 - convection
 - radiation
 - none of these
- Molecules do not move from the hotter body to the colder body in
 - Conduction
 - convection
 - radiation
 - none of these
- Sea breeze is caused due to
 - Conduction
 - convection
 - radiation
 - none of these
- Heat causes
 - Change of state only
 - change of temperature only
 - causes expansion
 - Change of state, temperature and expansion
- Which of these will expand the most during on heating
 - Solids
 - liquids
 - gases
- Solar cooker works on
 - Conduction
 - convection
 - radiation
 - none of these
- Heat causes expansion because
 - Heat occupies space
 - of increase of movement of molecules
 - matter tries to escape from the heat
 - None of these



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9. Handles of cooking utensils should be made of a material that
- a) Conducts heat well b) does not conducts heat c) radiates heat well d) none of these
10. When you touch a cold object
- a) heat flows from your body to the object b) heat flows from object to body c) temperature from your body to the object d) temperature flows from object to body
- II. Answer the following.
11. State the difference between heat and temperature.
12. What are the conditions required for conduction?
13. We feel more comfortable in light coloured clothes in summer and with dark coloured clothes in winter. Give reason.
14. Room heaters have polished reflectors at the back of the heating element: Give reason
15. How thermos flask help in minimizing the transfer of heat by conduction , convection and radiation?
16. Convert 10°C into $^{\circ}\text{F}$ and Kelvin scale.