



INDIAN SCHOOL MUSCAT
DEPARTMENT OF SCIENCE



SUBJECT : SCIENCE

TOPIC: Heat

Ref Text: NCERT

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Revision Worksheet No:2

CLASS: VII

Date of Issue: 22/04/2018

Name of the Student: _____ **Class VII & Sec:** ____ **Roll No:** ____

Q1. When one litre of water at 30°C is mixed with one litre at 48°C , what will be the temperature of the mixture obtained?

Q2. Why conduction is not possible in solids?

Q3. Heat from the sun heats up the earth, but air in the atmosphere does not get heated up. Why?

Q4. Water is a bad conductor of heat, but we heat water without any difficulty. How is it possible?

Q4. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing?

Q.5. Give reasons.

a) Ventilators are provided near the ceiling of a room.

b) Ice wrapped in sawdust does not melt.

c) Evaporation of sweat causes cooling.

d) Top of a roof made of asbestos is painted white.

Q.6. Why is it advised not to hold the thermometer by its bulb while reading it?

Q.7. A cold spoon is dipped into a cup of hot coffee. Will it transfer heat to its other end? If yes then by which process?

Q.8. A few sharp jerks are given to the clinical thermometer before using it. Why is it done?

Q.9. While sitting around burning wood, by which mode of heat transmission does you receive heat energy? Why do other modes of heat transmission not play a significant role?

Q.10. Why is the handle of pressure cooker covered with thick plastic?
