



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  $30^{\circ}\text{C}$  is mixed with one litre at  $48^{\circ}\text{C}$ , what will be the temperature of the mixture obtained?

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Q2. Why conduction is not possible in solids?

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

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

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Q.4. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing?

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Q.5. Give reasons.

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

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b) Ice wrapped in sawdust does not melt.

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c) Evaporation of sweat causes cooling.

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

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

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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?

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

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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?

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

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