



**INDIAN SCHOOL MUSCAT
MIDDLE SECTION**



SUBJECT: SCIENCE

REVISION WORKSHEET #2

TOPIC: HEAT

CLASS: VII

RESOURCEPERSON: Ms. PREETHA VINOD

DATE:

Name of the Student _____ Sec _____ Roll No _____

Q1. An iron rod at 30°C is dropped by chance into a bucket containing water at 30°C . In which direction the heat flow in this case? Justify your answer.

Q2. Convection is not possible in solids. Why?

Q.3.Heat from the sun heats up the earth, but the atmosphere does not get heated up.

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

Q.5.Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing?

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. Give reasons.

a) Ventilators are provided near the ceiling of a room rather than near the floor.

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

Q10. While sitting around burning wood, by which mode of heat transmission do you receive heat energy? Why other modes of heat transmission do not play any significant role?

Q11. Why is the handle of a pressure cooker covered with thick plastic?

Q12. A marble tile would feel cooler as compared to a wooden tile on a winter morning. Why?

