

SAINIK SCHOOL GOPALGANJ

SUB: - SCIENCE

CLASS – VII

ASSIGNMENT - 2

CHAPTER- HEAT

After solving all questions of NCERT EXERCISE of this chapter you have to solve these additional questions in copies.

SHORT ANSWER TYPE QUESTION.

Q1. Why false ceiling keep the room warm in winter ?

Q2. Why is freezer placed at the top of refrigerator .?

LONG ANSWER TYPE QUESTION.

Q3.. Differentiate between land breeze and sea breeze with diagram.

Q4. Define Conductor and Insulator with an example in each case.

Q5 . Differentiate between Laboratory Thermometer and Clinical Thermometer.

Multiple-choice Questions:

1. In liquids, heat transfer takes place by
(a) radiation (b) conduction (c) convection (d) none of these
2. Some stainless steel frying pans are provided with copper bottoms. The reason for this could be that:
(a) copper bottom makes the pan more durable
(b) such pan appears colourful
(c) copper is a better conductor of heat than stainless steel
(d) none of these
3. Transfer of heat by conduction process takes place in
(a) liquids only (b) solids only (c) gases only (d) All of these.
4. Heat energy from the sun reaches us by the process

(a) conduction (b) convection (c) radiation (d) both a and b.

5 .The woollen clothes keep us warm during winter because

A) wool is an insulator

B) wool is a conductor

C) wool traps air

D) wool has a vacuum.

(a) A and B

(b) B and C

(c) C and D

(d) A and C

6. The transfer of heat by convection takes place in:

(a) Solids and liquids

(b) Solids and vacuum

(c) Gases and liquids

(d) Vacuum and gases

7. The process which can transfer heat through the vacuum, as well as air, is:

(a) conduction

(b) convection

(c) irradiation

(d) radiation

Fill in the blanks:

1. _____ flows from a region of higher temperature to a region of lower temperature.

2. _____ thermometer is used to measure our body temperature.

3. Air is a _____ conductor of heat.

4. Shining and smooth surfaces are better _____ of heat.

5. No medium is required for the transfer of heat by the process of _____
