

FORMATIVE ASSESSMENT NO: 2

SUBJECT: SCIENCE

CLASS – VII

ASSIGNMENT NO: 2

CHAPTER – HEAT

Q1. Fill ups:

- a) _____ is the degree of relative hotness or coldness.
- b) Cooking vessels should be made up of _____ conductors.
- c) Heat is a form of _____.
- d) Mercury level falls easily in a _____ thermometer.
- e) S.I unit of heat is _____.
- f) Range of clinical thermometer is from _____°C to _____°C.
- g) A kink is not provided in a _____ thermometer.

Q2. Choose the correct option:

1) Conduction takes place in:

- a) Solids only
- b) Liquids only
- c) Gases only
- d) in solids, liquids & Gases

2) In which method of transfer of heat do the molecules travel from hot to cold portion?

- a) Conduction
- b) Convection
- c) Radiation
- d) All of the above

3) A thermos flask prevent loss or gain of heat by

- a) Conduction
- b) Convection
- c) Radiation
- d) All of the above

4) Convection occur only in

- a) Solids
- b) Liquids
- c) Gases
- d) Liquids & Gases

5) Ventilation in the room is due to:

- a) Conduction
- b) Convection
- c) Radiation
- d) All of the above

6) The method of heat transfer in a steel rod is by:

- a) Conduction
- b) Convection
- c) Radiation
- d) All of the above

Q3. Why is underside of cooking vessels painted black?

Q4. Why do we feel cold when our body sweats?

Q5. Why only mercury is used in thermometer?

Q6. Explain three modes of transmission of heat i.e. conduction, convection & radiation, with the help of their applications.

Q7. Name the following:

- a) Fastest mode of transfer of heat. _____
- b) Mode of transfer of heat where the medium does not get heated. _____
- c) Mode of transfer of heat where no medium is required. _____
- d) The metal used in the bulb of thermometer. _____