

INTERNATIONAL INDIAN SCHOOL BURAIDAH

WORKSHEET

Subject: Science

Class: VII

CHAPTER-04, (HEAT)

I) Fill in the blanks:-

- 1) Water and air is ----- conductor of heat.
- 2) ----- is the liquid used in thermometer.
- 3) Liquids and gases transfer heat by ----- method.
- 4) Metals are ----- conductor of heat.
- 5) S.I unit of heat is -----.
- 6) Heat is a form of -----.
- 7) Mercury level falls easily in a ----- thermometer.
- 8) Range of clinical thermometer is from ----- $^{\circ}\text{C}$  to----- $^{\circ}\text{C}$ .
- 9) The process by which heat gets transferred in solids is -----.
- 10) Sea breeze is caused due to -----.
- 11) The bulb in a thermometer contains -----.
- 12) The thermometer should be washed before and after use with preferably with ----- solution.
- 13) Heat is always flows from a hot object to ----- object.
- 14) Insulators are ----- conductors of heat.
- 15) ----- is the process by which heat transfer in air.
- 16) The normal temperature of human body is-----.
- 17) The -----prevents mercury level from falling of it's in a clinical thermometer.

19) The materials which allow heat to pass through them easily are -----  
of heat.

20) A suitable measure of the hotness of an object is its -----.

## II) Multiple Choice Questions:-

- 1) The heat in metals is conducted by the process of  
a) Radiation b) convection c) conduction d) Absorption
- 2) Glass, plastic wood are the examples of  
a) Conduction b) insulator c) convectors d) radiators
- 3) During the night  
a) Land cools more quickly than the sea b) sea cools quickly than the land  
c) land heats up d) sea water heats up
- 4) Temperature is measured with help of  
a) Thermometer b) barometer c) ammeter d) voltmeter
- 5) Heat gets transferred by the  
a) Conduction b) convection c) radiation d) all of these
- 6) Heat of the sun reaches to the earth by  
a) Conduction b) convection c) radiation d) through air
- 7) Conduction takes place in  
a) Solid only b) liquid only c) gases only d) all of these
- 8) Ventilators in room is due to  
a) Conduction b) convection c) radiation d) both b& c
- 9) Method of heat transfer in steel rod is  
a) Conduction b) convection c) radiation d) all of these
- 10) Which of the following is a insulator  
a) Copper rod b) Aluminum rod c) air d) graphite

## III) Answer the following questions:-

- a) Write the differences between laboratory thermometer and clinical thermometer.
- b) What is heat? How it is transferred by this method.
- c) Why metals are good conductors of heat.
- d) Define the term conductors and insulators with suitable examples.