

CLASS Notes

Class: VII

Subject: Science

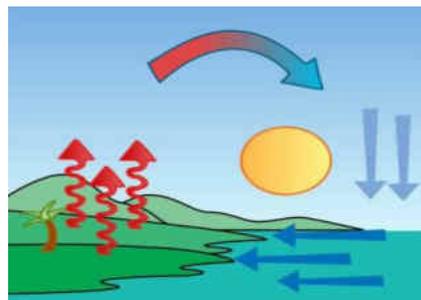
Topic: Worksheet
Chapter 4- HEAT

This worksheet can be solved in classwork notebook or can be solved in soft.

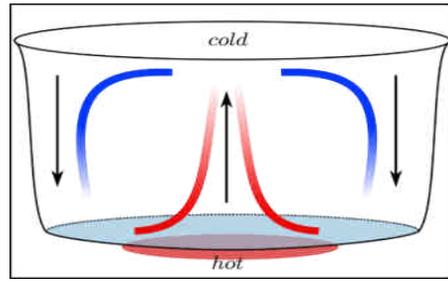
Instruction: Q1 to Q8 are multiple choice questions:

(To develop analytical and problem-solving skill as well as to develop their concept concrete without any confusion)

- 1- Name the device which is used to measure the hotness or coldness of an object.
 - (a) Pico meter
 - (b) Barometer
 - (c) Manometer
 - (d) Thermometer
- 2- Which one is filled in the bulb of a thermometer?
 - (a) Mercury
 - (b) Lead
 - (c) Copper
 - (d) Silver
- 3- Heat always flows
 - (a) from a colder object to a hotter object
 - (b) from a hotter object to a colder object
 - (c) in both the directions
 - (d) heat never flows from one object to other
- 4- Conduction is the method of transfer of heat in
 - (a) liquids
 - (b) solids
 - (c) gases
 - (d) vacuum
- 5- Heat from the sun reaches to the earth by
 - (a) radiation
 - (b) conduction
 - (c) convection
 - (d) all of these
- 6- Paheli and Boojho measured their body temperature. Paheli found her's to be 98.6°F and Boojho recorded 37°C . Which of the following statement is true?
 - (a) Paheli has a higher body temperature than Boojho.
 - (b) Paheli has a lower body temperature than Boojho.
 - (c) Both have normal body temperature.
 - (d) Both are suffering from fever.
- 7- Examine the image and Identify the phenomenon –
 - (a) Conduction
 - (b) Land breeze
 - (c) Sea breeze
 - (d) Both b and c
- 8- Examine the image and Identify the phenomenon which is occurring inside the pot-



- (a) Convection
- (b) Conduction
- (c) Heating
- (d) Evaporation



9. A marble tile would feel cold as compared to a wooden tile on a winter morning because the marble tile

- (a) is a better conductor of heat than the wooden tile.
- (b) is polished while the wooden tile is not polished.
- (c) reflects more heat than wooden tile.
- (d) is a poor conductor of heat than the wooden tile.

10. A beggar wrapped himself with a few layers of newspaper on a cold winter night. This helped him to keep himself warm because

- (a) friction between the layers of newspaper produces heat.
- (b) air trapped between the layers of newspaper is a bad conductor of heat.
- (c) newspaper is a conductor of heat.
- (d) newspaper is at a higher temperature than the temperature of the surrounding.

11. Boojho has three thermometers as shown in Figure 4.1. He wants to measure the temperature of his body and that of boiling water. Which thermometer (s) should he choose?



(i)



(ii)



(iii)

- (a) Thermometer (i) or (iii) for measuring body temperature and (ii) for measuring the temperature of boiling water.
- (b) Thermometer (i) for measuring the temperature of both.
- (c) Thermometer (ii) for measuring the temperature of both.
- (d) Thermometer (iii) for measuring the temperature of both.

12. Figure (a–d) shows the readings on four different thermometers. Indicate which of the reading shows the normal human body temperature?



(a)



(b)



(c)



(d)

Fill in the blanks-

13. A near the bulb of a clinical thermometer prevents mercury level from falling of its own.

14. In coastal areas, cold air flows in the day from sea to land. It is called

15. The thermometer used to measure human body temperature is called thermometer.

Choose the true and false statements from the following:

16. Marking on clinical thermometer is from 0°C to 100°C

17. Water and air are good conductors of heat.

18. The maximum and minimum temperature of the day is measured by a laboratory thermometer.