

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Heat

Q1. When we come out in the sun, we feel warm. How does the heat from the sun reach us?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q2. In summer we prefer light-coloured clothes and in winter we usually wear dark-coloured clothes. Why is it so?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q3. What is sea breeze?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q4. Two thin blankets joined together are usually warmer than one thick blanket. Give reason.

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Heat

Q1. When we come out in the sun, we feel warm. How does the heat from the sun reach us?

Ans. It cannot reach us by conduction or convection as there is no medium such as air in most part of the space between the earth and the sun.

From the sun the heat comes to us by another process known as radiation. The transfer of heat by radiation does not require any medium.

Q2. In summer we prefer light-coloured clothes and in winter we usually wear dark-coloured clothes. Why is it so?

Ans. Dark surfaces absorb more heat and, therefore, we feel comfortable with dark coloured clothes in the winter. Light coloured clothes reflect most of the heat that falls on them and, therefore, we feel more comfortable wearing them in the summer.

Q3. What is sea breeze?

Ans. During the day, the land gets heated faster than the water. The air over the land becomes hotter and rises up. The cooler air from the sea rushes in towards the land to take its place. The warm air from the land moves towards the sea to complete the cycle. The air from the sea is called the sea breeze.

Q4. Two thin blankets joined together are usually warmer than one thick blanket. Give reason.

Ans. Two thin blankets joined together are usually warmer than one thick blanket because air gets trapped between the layers of blankets and being a bad conductor of heat, prevents the flow of heat from our body to the cold surroundings.