

Chapter – 4 Weather and Climate

In this lesson, we will learn about:

- Difference between weather and climate.
- Factors affecting the climate of the world.
- Heat zones of the Earth.

Weather

1. Weather is the condition of the atmosphere at a place over a short period of time.
2. It may change from day-to-day and even from hour-to-hour. That is why we often describe weather as sunny, warm, cloudy, rainy or cold.
3. People who study weather conditions are called meteorologists.
4. Weather includes rain, sunshine, wind, hail and snow.

Climate

1. Climate is the average weather conditions over a long period of time, such as ten years.
2. Different places in the world experience different types of climate.
3. People who study climate are called climatologists.
4. The climate unlike weather is of permanent nature.
5. Climate deals with temperature, precipitation and humidity.

Factors Influencing climate

1. Distance from the equator (Latitude)
2. Altitude
3. Landscape
4. Distance from the sea
5. Direction of the wind
6. Humidity (Rainfall)

On the basis of above explanation, answer the following questions :

1. What is the difference between weather and climate.
2. Mention the elements of weather.
3. Name the factors that affect the climate of a place.

