

Class: V
Subject : E.V.S
Lesson- 8: The Temperature Zones of the World

Q. Explain the factors that influence the climate of a place.

Ans. The factors that influence the climate of a place are-

1-Latitude or distance from the equator-

- (a) The amount of heat received by a particular part of the earth depends upon its latitude or distance from the equator.
- (b) Places near the equator receive direct rays of the sun which cover a small area and so they are hotter than places near the poles.
- (c) Places away from the equator get slanting rays of the sun which cover a larger area and so are cooler than places near the equator.

2-Height above the sea-level or Altitude-

- (a) Altitude refers to the height of a physical feature or place above sea level.
- (b) Altitude has an effect on the temperature and atmospheric pressure.
- (c) Air becomes cooler as we go higher above the sea level so places at high altitudes like hill-stations are cooler.
- (d) Air becomes hotter as we are near the sea level and so places are hotter near the sea.

3- The distance from the sea-

- (a) Places near the sea have a moderate climate i.e. they are neither too hot nor too cold.
- (b) Places far away from the sea have extreme climate i.e. they are very hot in summers and very cold in winters.

4- Humidity-

- (a) The amount of moisture or water vapour present in the air is called humidity.
- (b) It depends upon the location of a place and direction of winds.
- (c) Humid air causes rainfall.
- (d) Winds from sea to land bring a lot of moisture and makes the coastal areas humid.
- (e) Humidity causes us to perspire or sweat.

5- Direction of winds-

- (a) The motion of air from one place to another is called wind.
- (b) The wind if blows from a cold place will be cold and if it blows from a hot place will be hot.
- (c) Thus, the wind blowing from cold regions decrease the temperature and those from hot regions increase the temperature.
- (d) The wind blowing from the sea is full of moisture and will bring rain.