

Weather And Climate

Q.4. What are the factors influencing variation of temperature?

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Ans: i) Insolation :- Insolation means
 Earth in its orbit.

ii) Latitude :- The temperature decreases gradually from the equator to the poles. Vertical rays warm up a
 are found due to more slanting rays.

iii) Altitude :- The main causes
 and heated by conduction
 and radiation.
 For this reason,
 radiation occurs there rapidly.

Q.5 :- Write about the different heat zones. Draw a neat diagram to show the heat zones. (Fig - 7.10)

Ans :- Our Earth is divided into five latitudinal zones or belts of temperature.

1) The Torrid or the Tropical Zone :- The Torrid
 about 25°C - 30°C on an average.

2) The Temperate Zones :- This zone is is around 10°C to -10°C .

3) Frigid Zones or Cold Zones :- The Frigid zones is about 10°C to -40°C .

Q.6 :- What are the factors influencing air pressure?

Ans The atmospheric pressure varies from place to place and from time to time. It is due to the following factors :-

- 1) Temperature :- full para
- 2) Water Vapour :- full para
- 3) Altitude :- full para
- 4) Rotation :- full para

Q.7 Write about the four types of Winds .

Ans 1) Permanent winds :- full para

2) Periodical or Seasonal winds :- full para

3) Local winds :- full para

4) Sudden or Irregular winds :-