

18.6.2020

Chapter-4

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(A) Answer the following questions:

1. Why are places near the Equator the hottest?

Ans:- The rays, reaching the Equator travel a shorter distance through the atmosphere, are more direct and, therefore, spread over a smaller area. Hence, places near the Equator are the hottest.

2. Name three temperature or heat zones stating their latitudinal extents.

Ans:- The three temperature or heat zones are →

i) Torrid Zone - Tropic of Cancer ($23\frac{1}{2}^{\circ}\text{N}$) to Tropic of Capricorn ($23\frac{1}{2}^{\circ}\text{S}$).

ii) Temperate Zone - Tropic of Cancer ($23\frac{1}{2}^{\circ}\text{N}$) to Arctic Circle ($66\frac{1}{2}^{\circ}\text{N}$) and Tropic of Capricorn ($23\frac{1}{2}^{\circ}\text{S}$) to Antarctic Circle ($66\frac{1}{2}^{\circ}\text{S}$).

ii) Frigid Zone - Arctic Circle ($66\frac{1}{2}^{\circ}\text{N}$) to North Pole (90°N) and Antarctic Circle ($66\frac{1}{2}^{\circ}\text{S}$) to South Pole (90°S).

3. How do slanting rays of the Sun affect the Earth? Which regions experience these rays?

Ans:- Slanting rays of sun have to travel a longer distance through the atmosphere, and spread over a larger area. So, areas receive slanting rays of sun experience lower temperature and are colder.

Region in higher latitudes receive slanting rays of sun.

4. Name three factors affecting the climate of a place.

Ans:-

- Latitudinal Position
- Altitude
- Distance from the sea.

5. What is meant by flora and fauna?

Ans:- Flora or natural vegetation are those trees, plants and shrubs which grow on their own, in any given area, without human help.

Fauna refers to the animals and birds found in a region. They, too, have adapted themselves to their environment within a climatic zone.

Which are the densely populated areas of the world and why?

The densely populated areas of the world are the river valleys, coastal zones and the areas with moderate temperatures because factors are favourable for man to live here.

Define a natural region.

Any region, fairly large, having similar climate, natural vegetation, soil and animal life, can be termed a natural region.

Think and Answer -

Slanting rays spread over a larger area on the surface of the Earth.

Because slanting rays travel a longer distance through the atmosphere.

Shimla is a popular summer destination. Because Shimla lies on higher altitude.

New Delhi experiences very hot summers ~~and~~ and cold winters.

As New Delhi is located far away from sea.

4. People in Norway wear heavy woollens throughout the year.
→ Because Norway is situated on higher latitude.

© Match the following -

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|-------------------|-------------------------------------|
| 1. Torrid Zone | a) Very slanting rays. |
| 2. Temperate Zone | b) Different angles of the sunrays. |
| 3. Frigid Zone | c) Direct rays. |
| 4. Climatic Zone | d) Slanting rays. |
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