

SESSION : 16

CLASS :V

SUBJECT : (SOCIAL SCIENCE)

CHAPTER NUMBER: 4

CHAPTER NAME : Climate

SUBTOPIC : Long Question and Answer

CHANGING YOUR TOMORROW

LEARNING OBJECTIVES:

Children will come to know about-

- Difference between weather and climate
- The factors that affect the climate of a place
- How distance from the sea, winds, humidity affects the climate

RECAPITULATION


Factors which affect climate

Certain factors affect climate and these explain why climates differ from one region to another.

Humidity

HUMIDITY

- Humidity is how much water vapor is in the air.
- Low humidity is when the air feels dry.
- High humidity is when the air feels damp.
- Another weather factor is affected by humidity. This factor is known as "precipitation."



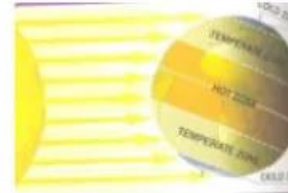
Distance from the sea



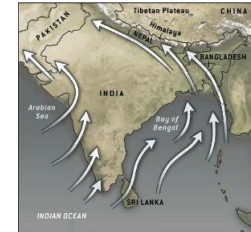
Altitude



Proximity to the Equator



Distance from the sea



LONG QUESTION AND ANSWERS

C. Answer the following questions.

5. Where are the following heat zones located? Describe the general climate of each zone.

a. Frigid Zones; b. Temperate Zones; c. Tropical zone

Ans.5.a) Frigid Zones -

i. Heat zone between Arctic Circle and the North Pole in Northern Hemisphere - North Frigid Zone, Climate - Very cold.

ii. Heat zone between Antarctic Circle and the South Pole in Southern Hemisphere - South Frigid Zone, Climate - Very cold.

b) Temperate Zones-

i) Heat zone between Tropic of Cancer and the Arctic Circle in Northern Hemisphere - North Temperate Zone, Climate - Mild (neither hot nor cold)

ii) Heat zone between Tropic of Capricorn and the Antarctic Circle in Southern Hemisphere - South Temperate Zone, Climate - Mild (neither hot nor cold)

c) Tropical Zone -

i) Heat zone between the Tropics of Cancer and Capricorn - Tropical or Torrid Zone, Climate - Hot and wet

6. How do winds affect the climate of a place?

Ans. Winds flow in particular directions in different parts of the world. They may be -

- i) Hot wind - Raise the temperature of the lands over which they blow.**
- ii) Cool wind - Blow from the Polar regions fall the temperature over which they blow.**
- iii) Dry or warm wind - Blow from the sea are full of moisture bring rainfall to coastal areas.**

7. How is the humidity in Chennai different from that of Jaisalmer in the Thar Desert?

Ans. Difference in humidity in Chennai and Jaisalmer -

Chennai	Jaisalmer
i. It is a coastal area	i. It is in Thar Desert
ii. The air is laden with moisture and thus the humidity level is high.	ii. The air has less moisture due to lack of availability of water and thus humidity level is low.

HW

Learn the Question & Answers

LEARNING OUTCOME:

Children will be able to know -

- The meaning of weather and climate
- How climate is affected by distance from the sea, winds & humidity

THANKING YOU
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