

Assignment- 6

Gurpreet Kaur

Topic- Chapter-9 "Weather and Climate"

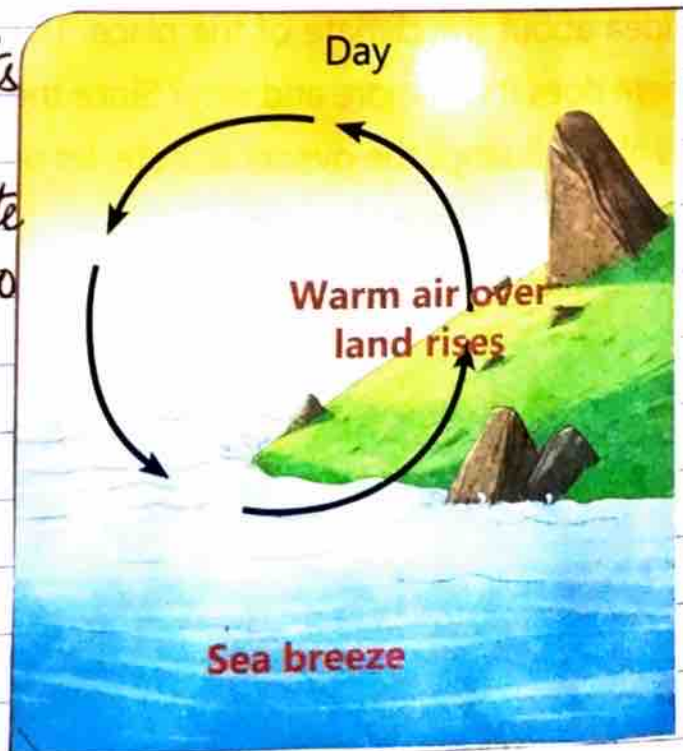
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Good Morning Students,

This lesson is of Chapter-5 for the subject of Geography in which Chapter-9 "Weather and Climate" is continued with the explanation of the topic - "the factors that affect the climate of a place". Students we have already discussed the factors - Latitude and Altitude in the previous week. This week we will be discussing the another factors. such as Distance from the sea, Direction of the wind and Precipitation. So all the students may please keep their Geography books and notebooks ready as we are going to start our today's topic.

1) Distance From the Sea :-

It is the another important factor that affects the climate of a place. Areas closer to sea experience moderate climate means it is neither too hot nor too cold in these areas. In summer sea breeze keeps the place cool while in winter the sea breeze warms up the place. For eg. In Mumbai during the day, cool air keeps the temperature low.



But at night, warm air does not let the temperature to drop much. This keeps the temperature of the places located near the sea is moderate. Therefore the temperature in Mumbai or Coastal areas does not drop much during winter season. The places away from sea do not receive such sea breezes so these places experience cold winters and hot summers.



2. Direction of the Wind:-

The direction of the wind also plays an important role in influencing the temperature of a place. The climate of an area depends on the winds. Winds blowing from hot areas raise the temperature of a place while the winds blowing from cold areas lower the temperature. For instance, hot winds blowing from Rajasthan make Delhi and the western Uttar Pradesh very hot during summer. While the winds coming from Arabian Sea and the Indian Ocean bring Monsoon. So the winds blowing from cold or hot regions make a place cold or hot. Sea breeze blows from sea to land called onshore wind and land breeze blows

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from land towards sea is called - offshore wind.

As we have read a small part of today's topic, now we will recall the topic by means of a short test. So you can pause the audio/video of this lesson for 3 minutes and write down the answers in your geography notebooks.

Q1. Name the cities in India which experience moderate climates.

Q2. Write the another name of sea breeze and land breeze.

Let us discuss the answers now:-

Ans-1. Mumbai and Chennai.

Ans-2. Sea breeze is called onshore wind and land breeze is called offshore wind.

Let us proceed further :-

3) Precipitation :- Precipitation is rainfall or snowfall which depends upon the humidity in the atmosphere of a place. Humidity is the amount of moisture or water vapour present in the air. It is caused due to evaporation of water from the earth's surface.

greater humidity leads to great amount of rainfall which influences the climate of a place. For example, during summer rapid evaporation of sea or ocean water causes heavy rainfall in coastal areas. During winter, if temperature dips below the freezing point, then excessive humidity causes snowfall. Humid weather can be very uncomfortable during summer as it causes sweating.

Thank you.