

Lesson - 7 Climate and Adaption

Q. 1. What is climate list out factors affecting on climate at a place.

→ Climate is the general pattern of wheather conditions that are observed in a region over a long period of time.

★ Factors affecting on climate at a place

1. ~~Temperature~~

2. Solar Radiation

3. Latitude or Distance from equator

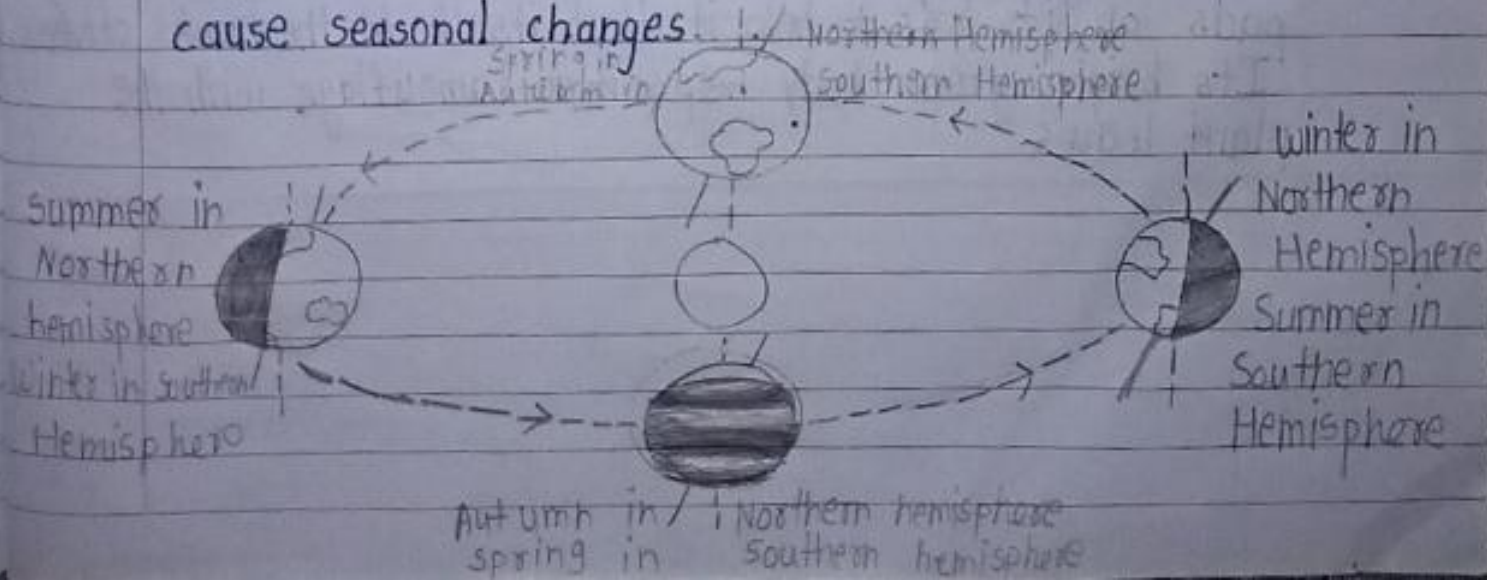
4. Distance from the sea or other water bodies.

Q. 2. Distinguish between wheather and climate

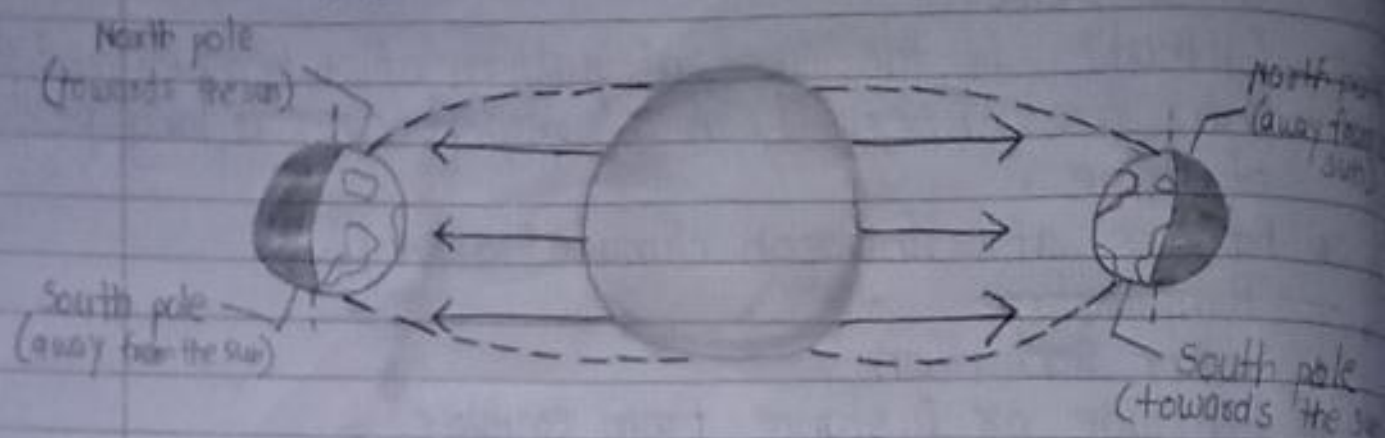
Wheather	Climate
Wheather is the current atmospheric condition at a place based on temperature, rainfall, wind, humidity and othe fators	Climate is the general pattern of wheather condition that are observed in a region over a long period of time.

Diagrams

7.4 Tilt of the Earth's axis and its movement around the sun cause seasonal changes.



7.5 Due to elliptical orbit, distance of Earth from sun keeps changing



Q 3. What is camouflage? Explain how it is an advantage to animals with the help of three examples

→ The method by which organisms blend with their surroundings using colours and patterns on their skin, fur or feathers is called camouflage

1. The dark strips on its fur of Tiger help to camouflage the animal when it is in tall grass. Also it has soft pads that help it to move quietly towards its prey.
2. The toucan bird has a long and large beak that helps it to reach food on branches that are otherwise too small to support a bird's weight.
3. The red-eyed frog is an excellent climber and has sticky pads on its toes to help it attach itself to the trunks of trees. Its bright green body helps it to camouflage with the plant leaves.