

St. Andrews Scots Sr. Sec. School

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Session - 2022-2023 NOTES

Class-V

Subject - Social Science

L-5 Weather and Climate

New Words

1. atmospheric
2. temporary
3. alignment
4. influence
5. overwhelming
6. moisture
7. retreating
8. disturbances
9. barrier
10. variation

Define the following terms

1. **humidity** - amount of water vapour in the air.
2. **altitude** - height of a place above the sea level.
3. **heat zones** - the division of the Earth according to the climate.
4. **temperature** - degree or intensity of heat present in a substance or object.
5. **horizon** - an apparent line at which the Earth's surface and sky appear to meet.

Fill in the blanks

1. The climate of India is called **monsoon** climate.
2. Monsoon is a word taken from the Arabic word **Mausim** which means seasons.
3. Air over deserts is dry because it does not have **moisture** in it.
4. **Mawsynram** in Meghalaya receives the highest rainfall in the world.
5. **Frigid Zones** are the coldest parts of the Earth.
6. The apparent position of the Sun moves between the two **tropics** within a year.

Answer these questions

Q 1- Differentiate between weather and climate.

Ans- Weather Climate Weather is the day to day atmospheric condition at a particular place. The climate of a place is the pattern of weather condition over a very long period of time. Weather is temporary and changes often. Climate is permanent and remains stable for a long time

Q 2- List the factors that affect the climate of a place.

Ans-The climate of a place depends upon several factors such as:-

- a. location
- b. altitude
- c. distance from the sea
- d. winds
- e. humidity
- f. rainfall

Q 3- How does the altitude influence the climate of a place?

Ans Places located at the higher altitude like hill stations or mountain tops experience relatively colder climate.

Q 4- What do you understand by the heat zones? Draw diagram.

Ans The Earth has been divided into three heat zones on the basis of the intensity of sunlight it receives. The three heat zones are:-

- a. Torrid Zone
- b. Temperate Zone
- c. Frigid Zone

Q 5- Describe the climatic conditions of torrid zone.

Ans- a. Since the torrid zone receives strong sunlight throughout the year, it is the hottest zone of the Earth.

b. This zone receives a lot of rainfall. thus the climate of this zone is hot, wet and humid.

Think and answer

Q Why is Shimla cooler than Chandigarh?

Ans Shimla is located at higher altitude than Chandigarh . Therefore it is cooler than Chandigarh.