

Tender Heart High School

Sector 33B, Chandigarh

Class: VII

Date: 29/4/24

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Subject: Geography

CHAPTER 3

WEATHER AND CLIMATE

Weather

- It is the day to day condition of Atmosphere at any place with respect to Temperature, pressure, rainfall, wind etc.
- It is never static and cannot be generalised.
- It varies from place to place and time to time.

Climate

- The average weather conditions of a region over a long period of time (approximately 30 Years) is referred as climate.
- It involves systematic observation, recording and processing of various elements of climate before making and standardisation.

Differentiate between Weather and Climate

WEATHER	CLIMATE
→ It is day to day atmospheric condition of an area.	→ It is average weather condition of a particular place over a long period of time (approximately 30 Years)
→ Changes in weather conditions can be observed very frequently.	→ Change in climate take a long time
→ Weather Forecasting is observed by Meteorological Department	→ The Study of Climate is known as climatology.
→ It influences occupation of humans in short term.	→ It influences humans in long run.

WEATHER FORECASTING

- Meteorology deals with the study of weather.
- weather forecast is done by country's Meteorological Department. In India it is done by Indian Meteorological Department
- Their report is based on weather stations.
- They record weather information from weather rockets, weather balloons, weather satellites.
- Geostationary Operational Environmental Satellite (GOES) provides continuous data of hazards such as Tornadoes, Flash Floods, hail storms and hurricanes.

* Indian Meteorological Department has its headquarters in New Delhi.

Its regional offices are in Mumbai, Chennai, Kolkata, Nagpur, Guwahati.

I hope you all understood the first three topics very well. So you all are required to revise it at home and also read next two topics before hand.

With this I conclude the interactive session.