

TENDER HEART HIGH SCHOOL

Section 33 B, Chandigarh

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Subject: Geography

Class: VII

Answer key (ch 3)

Q) Differentiate between :-

(1)	<u>WEATHER</u>	<u>CLIMATE</u>
	→ Weather is the daily state of Atmosphere and its short term fluctuations.	→ Climate is the statistical weather information that describes climate change of specific locations at specific intervals.
	→ It is measured for short period, usually 24 hours.	→ It is measured for long period, approximately 33 years.
	→ Weather include wind, Temperature, rain, Sunshine etc.	→ Climate includes Humidity, Air pressure, Cloudiness etc.
	→ Meteorology is the study of weather.	→ Climatology is the study of climate.

(2)	<u>Absolute Humidity</u>	<u>Relative Humidity</u>
	→ The actual amount of water vapour present in air is referred as Absolute Humidity.	→ It is the ratio between the actual amount of water vapour and the total amount the air can hold.
	→ It is expressed in grams per cubic metre.	→ It is expressed in percentage.
	→ It is higher in equatorial areas and decreases towards poles.	→ It increases in morning and night and decreases at afternoon.
	→ Temperature does not affects Absolute Humidity.	→ Temperature affects Relative Humidity.

(3)

### Diurnal Range of Temperature

- It is the difference between daily maximum and minimum temperature.
- It has different reasons in its increase such as cloud cover, Urban Heat, water Vapour etc.
- There may or may not be difference in day and night temperature.

### Annual Range of Temperature

- It is the difference between the mean temperature of hottest and coldest <sup>month</sup>.
- This temperature changes according to the conditions prevailing in particular region.
- In Northern Hemisphere, the annual range of temperature is more than Southern Hemisphere.