

~~Q. 7. 2~~  
~~Q. 6~~

D- Answer these question.

1- What is the difference between weather and climate?

A- Difference between weather and climate

Weather

Climate

- Weather is the condition of the atmosphere at a particular place and time

- Climate is the average weather condition of a place over a long period of time.

- Atmospheric condition can change within a short period of time.

Atmospheric condition remains unchanged over a long period of time

The study of weather forecasting is known as meteorology -

The study and predict the change in climate is known as climatology -

2- How does the climate of a place affect the people living there?

A- The climate of a place affects the people living there in many ways :- like :-

i clothes they wear

ii Food they eat

iii types of houses they live

3- Name the five important factors that determine the climate of a place

Ans - Five important factors that determine the climate of a place are :-

- i- Distance from the ~~sea~~ Equator.
- ii- Height above the sea level
- iii- Distance from the sea
- iv- Wind
- v- Humidity The amount of moisture in the air

4- Why do areas near the Equator receive more heat from the sun, than those near the poles?

Ans- Areas near the Equator receive more heat from the sun ~~rays~~ because :-

i- Sun rays are vertical or direct at the Equator and slanting to poles  
have to

ii- The direct rays heat up smaller area and slanting rays have to heat up a larger area of the earth's surface.

Hence, places near the Equator get heated



more than photos near the poles

area  
5- Where the following heat zone located? Describe



The general climate of each zone?

~~a~~ ~~1~~ a. Frigid Zone; b. Temperate Zone; c. Tropical Zone.

Ans: Frigid Zone =

i. Heat zone between Arctic circle and the north pole in Northern Hemisphere - North Frigid Zone

~~a~~ Climate - Very cold

iii. Heat zone between Antarctic circle and south pole in Southern Hemisphere - South Frigid zone

~~a~~ Climate - Very cold

b. Temperate Zone

i. Heat zone between Tropic of Cancer and Arctic circle in Northern Hemisphere - North Frigid zone.

Climate - ~~Hot~~ MILD

- ii Heat zone between Tropic of Capricorn and Antarctica circle in Southern Hemisphere - South Frigid zone

Climate - Mild

c. Tropical Zone

- i Heat zone between the Tropics of Cancer and Capricorn - Torrid zone.

Climate - Hot and wet

6- How ~~the~~ do wind affect the climate of a place?

Ans- Wind flow in particular direction in different part of the world. They may be:-

i- Hot wind = Raise the temperature of the land over which they blow.

ii- Cool wind = Blow from the Polar regions Fall

The temperature over which they blow

iii - Dry or warm wind = Blow from the sea area full of moisture bring rainfall to coastal areas

7. How is the humidity in Chennai from that of Jaisalmer in Thar Desert?

A - Difference in humidity in Chennai and Jaisalmer :-

Chennai

Jaisalmer

i - It is a coastal area

i - it is in Thar Desert

ii - The air is loaded with moisture and thus the humidity level is high

ii - The air has less moisture due to lack of availability of water and thus humidity level is low.