

06/08/19

CHAPTER - 4

AIR

SHORT NOTES

* ATMOSPHERE:- The layer of air that surrounds the earth is called atmosphere.

* Air:- Air is a mixture of many gases is called air.

* Major constituents of air:-

- Nitrogen — 78%
- Oxygen — 21%
- Carbon dioxide — 0.03%
- Argon — 0.93%
- All others — 0.04%

* Our atmosphere is divided into five layers:-

- * Troposphere
- * Stratosphere
- * Mesosphere
- * Thermosphere
- * Exosphere.

* TROPOSPHERE:- This layer is the most important layer of the atmosphere.

* STROTOSPHERE:- The important feature of stratosphere is that it contains a layer of ozone gas.



* MESOSPHERE:- This is the third layer of the atmosphere. It lies above the stratosphere. It extends up to the height of 80 km.

* THERMOSPHERE:- In thermosphere temperature rises very rapidly with increasing height. Ionosphere is a part of this layer. It extends between 80-400 km.

* EXOSPHERE:- The upper most layer of the atmosphere is known as exosphere.

* WEATHER:- Weather is a atmospheric conditions of a place for a few days.

* CLIMATE:- Climate is a weather conditions of a place for a long time.

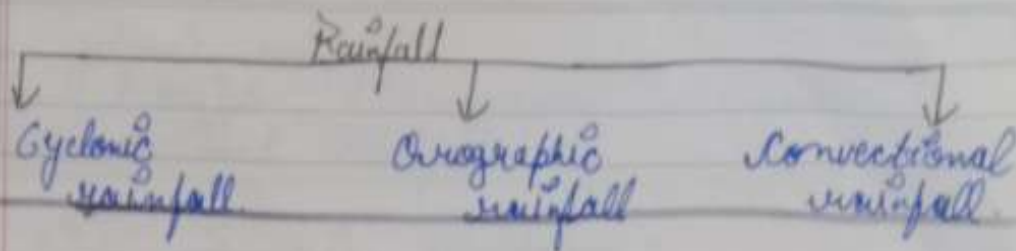
* TEMPERATURE:- The degree of hotness or coldness of an object some chosen scale is called its temperature.

* AIR PRESSURE:- Air pressure is defined as the pressure exerted by the weight of air on the earth's surface.

* WIND:- The movement of air from high pressure area to low pressure areas is called wind.

* There are three types of rainfall:-





ANSWER THE FOLLOWING QUESTIONS:-

Ques-1 What is atmosphere?

Ans-1 The ~~air~~ layer of air that surrounds the earth is called atmosphere.

Ques-2 Which two gases make the bulk of the atmosphere?

Ans-2 The two gases make the bulk of the atmosphere are -

- Nitrogen.
- Oxygen.

Ques-3 Which gas creates green house effect in the atmosphere?

Ans-3 CO_2 .

Ques-4 What is weather?

Ans-4 Weather is a atmospheric conditions of a place for a few days.

Ques-5 Name three types of rainfall.

Ans-5 The three types of rainfall are:-



- Cyclonic rainfall.
- Relief, (Orographic) rainfall.
- Convectional Rainfall.

Ques-6 What is air pressure?

Ans-6 Air pressure is defined as the pressure exerted by the weight of air on the earth's surface is called a air pressure.

Ques-7 Wet clothes take longer time to dry on a humid day?

Ans-7 Because water does not evaporate.

Ques-8 Amount of insolation decreases from equator towards poles?

Ans-8 The sun rays are slanting at the poles.

