

SNBP International & Senior Secondary School, Chikhali, Pune. Affiliation No.1130703 Academic session 2024-25 NOTES

Class: VII Prepared By: Ms. Anju V

Subject: SST (Geography) L4: Air

Answer the following questions briefly.

1. What is atmosphere?

Answer: Atmosphere is a thin blanket of air that surrounds the earth. It protects us from the harmful rays of the sun. It consists of several gases in which nitrogen and oxygen occupy the major portion. All living beings on this earth depend on the atmosphere for their survival. It provides us the air we breathe and protects us from the harmful effects of the sun's rays.

2. Which two gases make the bulk of the atmosphere?

Answer: Nirtrogen (78%) and oxygen (21%) make the bulk of the atmosphere. Carbon dioxide, helium, ozone, argon and hydrogen are found in lesser quantities.

3. Which gas creates greenhouse effect in the atmosphere?

Answer: Carbon dioxide creates a greenhouse effect in the atmosphere by trapping the heat radiated from the earth. It is therefore called a greenhouse gas and without it the earth would have been too cold to live in.

4. What is weather?

Answer: Weather is the hour-to-hour, day-to-day condition of the atmosphere. A hot or humid weather may make one irritable. A pleasant, breezy weather may make one cheerful and even plan for an outing. Weather can change dramatically from day to day.

5. Name three types of rainfall

Answer:

- Convectional rainfall
- Orographic rainfall
- Cyclonic rainfall.

6. What is air pressure?

Answer: The pressure exerted by the weight of air on the earth's surface is known as air pressure. As we go up the layers of atmosphere, the pressure falls rapidly. The air pressure is highest at sea level and decreases with height. Horizontally, the distribution of air pressure is influenced by temperature of air at a given place.

(c) Ozone.

(c)Mesosphere.

Question2.Tick the correct answer:

(i) Which of the following gases protects us from harmful sun rays?

(a) Carbondioxide (b) Nitrogen

(ii) The most important layer of the atmosphere is (a)Troposphere (b)Thermosphere (iii) Which of the following layers of the atmosphere is free from clouds?(a)Troposphere(b)Stratosphere(c)Mesosphere.

(iv) As we go up	the layers of the atmosphere, the pressure	
(a)Increases	(b)Decreases	(c)Remains the same

(v) When precipitation comes down to the earth in the liquid form, it is called (a)Cloud (b)Rain (c)Snow.

Question 3. Match the following.

(i)Trade Winds	(e)Permanent wind	
(ii) Loo	(f)Local wind	
(iii)Monsoon	(b)Seasonal wind	
(iv)Wind	(c)The horizontal movement of Air	

Question4.Give reasons:

1. Wet clothes take longer time to dry on a humid day.

Answer: Wet clothes take longer time to dry on a humid day because the amount of water in the air is more on a humid day than on a sunny day. Due to which, the rate of evaporation decreases and air soaks in less water from the clothes.

2. Amount of insolation decreases from equator towards poles?

Answer: Amount of insolation decreases from equator towards poles because sunrays fall vertical on the equator while slanting on the poles.

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Principal