

Date 5.X.2020.

Class 7th

Subject Geography

Chapter :AIR

NCERT Extra Questions

Read the following question and answer throughly and try to understand and Write down in your H.W.Copy.

Question 1.

Define the term atmosphere.

Answer:

Blanket of air surrounding the earth is known as the atmosphere.

Question 2.

How do all living beings depend on the atmosphere for their survival?

Answer:

All living beings depend on the atmosphere for their survival.

Atmosphere provides them the air they breathe.

It protects them from the harmful effects of the sun's rays.

Without its protection, they would be baked alive by the heat of the sun during day and get frozen during night.

Question 3.

What is green house effect?

Answer:

Carbon dioxide in the atmosphere traps the heat radiated from the earth creating a green house effect. This makes the temperatures livable. Without this earth would have been too cold to live.

But the increased emissions from vehicles and factories increases the temperature leading to global warming.

Question 4.

What is global warming? What is its affect?

Answer:

When the heat retained through greenhouse gas increases the temperature of the earth, it causes global warming:

The plants maintain the balance of gases. However this balance is upset by burning fuels such as coal, petroleum oil and large scale deforestation.

This rise in temperature causes the snow in coldest parts to melt.

As a result the sea level rises causing floods in the coastal areas.

This may bring changes in weather and climate leading to extinction of certain plants and animal species.

Composition of the Atmosphere

Question 5.

Name the two gases which influence the atmosphere to a great extent.

Answer:

Two gases such as carbon dioxide and ozone influence the atmosphere to a large extent.

Their percentage in the atmosphere is as under:

Carbon dioxide 0.03%

Ozone 0.00006%

Question 6.

Describe the composition of the atmosphere.

Answer:

Composition of the Atmosphere:

The air we inhale while breathing is actually a mixture of numerous gases.

Nitrogen and oxygen are two gases which make up the most of the atmosphere.

Carbon dioxide, helium, ozone, argon and hydrogen are found in lesser quantities.

Tiny dust particles are also present in the air.

Question 7.

How is nitrogen present in atmosphere used by plants?

Answer:

Nitrogen is the most plentiful gas in the air.

Plants need nitrogen for their survival. They cannot take nitrogen directly from the air.

Bacteria in the soil or the roots fix nitrogen by changing its form so that plants can use it.

Question 8.

Which is the second most plentiful gas in the atmosphere?

Answer:

Oxygen is the second most plentiful gas in the atmosphere. Humans and animals use it for breathing. Green plants produce oxygen through photosynthesis and thus oxygen balance is maintained in air. This gets disturbed if we cut trees.

Question 9.

Explain how the oxygen and carbon dioxide balance is maintained in air?

Answer:

Green plants use carbon dioxide to make their food and during this process release oxygen:

Humans and animals release carbon dioxide and take oxygen from air.

The amount of carbon dioxide released by them is equal to amount used by plants to make their food. Hence a balance is maintained.

But now the excess of carbon dioxide is released by burning of fuels. The reduction in number of plants upset the balance of gases like carbon dioxide affecting earth's weather and climate.

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