

Class - 6th

Chapter- Importance of air

Very short answer:

1. What is moving air called?
2. Name the major gas present in the air?
3. How much percentage of carbon dioxide is present in the air?
4. Name a gas that does not support burning.
5. Write one use of air.

Answer

1. Wind
2. Nitrogen 78%
3. 0.03%
4. Carbon dioxide
5. Air transmits sound, hence helps in communication.

Short answer question

1. Define humidity.
2. What is respiration?
3. Define atmosphere.
4. What is the use of windmill?

Answer

1. Humidity is the amount of water vapour present in the air.
2. a process by which living things produce energy from food. Respiration usually needs oxygen.
3. An atmosphere is a layer or a set of layers of gases surrounding a planet or other material body.
4. The energy made by windmills can be used in many ways. These include grinding grain or spices, pumping water and sawing wood. Modern wind power machines are used to create electricity.

Long answer question

1. Explain the uses of nitrogen, Oxygen and Carbon dioxide.
2. How can you show the presence of air in water?
3. How can you show that air is present in the soil?
4. How is the balance of Oxygen and Carbon dioxide maintained in the atmosphere?
5. write any five uses of air?

Ans1. uses of oxygen

- oxygen is used by plants and animals for the process of respiration.
- oxygen are used in medicine to treat people with breathing problem

- it is also used as life support for the astronauts and Scuba divers.

uses of Nitrogen

- nitrogen help to control the process of burning
- nitrogen is required by plants for the proper growth.
- nitrogen is used for food packaging
- nitrogen is used to preserve nerve blood stem cells.

uses of carbon dioxide

- it is required by plant for the process of photosynthesis.
- it is used for extinguishing fire.

Ans.2 a. Take some water in a beaker and boil it over a burner.

b. You will notice tiny Bubbles on the inner surface of the beaker.

c. this Bubbles are of the air that is dissolved in water.

it can be seen that the air that is dissolved in water escapes on heating.

Ans.3 To show the presence of air in the soil put a handful of dry soil in a glass beaker. Adha for glass of water to it. you will notice that some bubbles come out of the soil. these are air bubbles.

Ans.4 The balance of oxygen and carbondioxide is maintained in the atmosphere by the oxygen released by plants during photosynthesis and carbondioxide released by human,animals etc. in the during the process of respiration and burning of petrol wood coal etc.

The balance of oxygen and carbondioxide is maintained in the atmosphere by the oxygen released by plants during photosynthesis and carbondioxide released by human,animals etc. in the atmosphere. The balance of oxygen and carbondioxide is made due to respiration and photosynthesis.

Ans.5 uses of air are as below:

1. windmill use air to generate electricity.
2. Air transmit sound hence help in Communications.
3. Air help gliders, Sail boats and aeroplanes to move.
4. air help in seed dispersal and pollination.

5. Air also play an important role in water cycle.

Hots

1. Even though carbon dioxide causes global warming. it is considered as an important gas for our survival explain.
2. It is not advisable to sleep under the tree during the night.Explain why.

Ans1. Carbon dioxide plays an important part in vital plant and animal process, such as photosynthesis and respiration. ... Green plants convert carbon dioxide and water into food compounds, such as glucose, and oxygen. This process is called photosynthesis.

Ans.2 The plants leave carbon dioxide at night. On the basis of this it is that in the night if you sleep under the tree, you will not get oxygen, which can cause breathing problem, suffocation etc.