

Assignment -

Class V - Sub-science

L-4 - Air Around us.

Q. I Name the following -

1. The gas we breathe in - Oxygen
2. The gas we breathe out - carbon dioxide
3. The process by which plants prepare their own food - Photosynthesis
4. The gases which are present in air - nitrogen, oxygen, carbon dioxide, traces of other gases.
5. Layers of Atmosphere Troposphere, Stratosphere, Ionosphere and Exosphere.
6. The envelope of air around earth atmosphere

Q. II Fill in the blanks.

1. The ozone layer is a part of the stratosphere
2. During photosynthesis, the plants take in carbon dioxide and give out -
3. Air has weight, so it exerts - pressure
4. Inspired air is rich in - oxygen
5. Expired air is rich in - carbon dioxide
6. It is the air - pressure which pushes a liquid through a siphon.

Q. III Answer these questions -

1. What is air?

Ans, Air is a mixture of gases like nitrogen, oxygen and carbon dioxide.

2. Why does air inflate things?

Ans, Air occupies space and so it can be filled into things like balloons, tube of vehicles etc. Therefore air inflates things.

3. Give three uses of air pressure -

Ans Air pressure helps

1. to draw water out of a hand pump.
2. to suck liquid in a straw.
3. to push medicine from a syringe into the body of a patient.

4. On what principle does a lift pump work?

Ans. A lift pump works on the principle that air exerts pressure.

5. Name the gases present in air.

Ans The gases present in air are nitrogen (78%) oxygen (21%)
Carbon dioxide (0.03%) and other gases (0.97%)

6. We must crush plastic mineral water bottle before throwing them into the dustbin. Why?

Ans. Because these plastic bottles are made up of low quality of plastic which can not be used again. Reusing of them can harm our health.

Choose the correct answer.

1. As we go up to a higher altitude air becomes less
2. The lowest layer of atmosphere is troposphere
3. The second biggest content of air is oxygen
4. Exhaled air contains more amount of Carbon dioxide
5. The blanket of air surrounding the earth's surface is atmosphere
6. The lowest layer of atmosphere is Troposphere
7. The outermost layer of the atmosphere is Exosphere.

