

Our Life Supports

Fill in the blanks: -

1. _____ are the harmful rays of the sun.
2. _____ carries oxygen to the lungs.
3. _____ prevents meteors from hitting the earth.
4. Jet aircrafts fly in _____ layer.
5. Animals get nitrogen from _____, _____ and _____.
6. _____ gas is used for producing colorful glow in glass tubes.
7. Inhaled air is also known as _____.
8. Our sweat does not evaporate easily during _____.
9. _____, _____ and _____ are caused by drinking impure water.
10. _____ and _____ can kill many harmful bacteria.
11. _____ crystals can also be used for killing germs in big water sources like wells and tanks.
12. _____ water is generally free from insoluble impurities.

Write a short note on the following: -

Atmosphere- _____

Oxygen- _____

Nitrogen- _____

Carbon Dioxide- _____

Humidity- _____

Filtration- _____

Distillation- _____

Evaporation- _____

Chlorination- _____

Sedimentation- _____

Rearrange the letters to find the answer using the hint: -

Water is filtered through clean sand bed-ITATOF LRIN- _____

Thick layer of air wrapping the earth- TOPEERAMSH- _____

Space shuttles move above this layer- HROPEETEMSHR- _____

One of the gases in the air- RYTNKPO- _____

Process of removing insoluble impurities- EATTONNDCAI- _____

Write short answers: -

Which air is warmer- exhaled air or inhaled air? And why?

Mention some of the uses of air.

With the help of a labelled diagram, explain air has weight.

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What is the atmosphere, and why is it important for life on Earth?

Name the gases present in the atmosphere.

With the help of an experiment, show air is needed for burning. Draw a labelled diagram.

Name the five main layers of the atmosphere in order from closest to farthest from Earth's surface.

How can you prove that air exerts pressure. Explain with a diagram.

With the help of a labelled diagram show air takes up space.

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Why water vapours are formed?

How can we prove that air exerts upward pressure?

What is the most abundant gas in Earth's atmosphere, and what percentage of the atmosphere does it make up?

Explain the role of carbon dioxide in the atmosphere and its impact on the environment.

What are the different properties of air?

Explain the process of distillation with the help of a diagram.

Write true or false and correct the incorrect statement: -

Air does not exert pressure in all directions.

Meteorites and small rocks moving in space burn out in stratosphere.

The air we breathe out is also known as inspired air.
