



Uses of Air

A. Choose the Correct Answer:

1. What is one of the main uses of air for living beings?

- A) To produce electricity
- B) To breathe and stay alive
- C) To clean dirty water
- D) To grow food

2. Which gas in the air is most important for human breathing?

- A) Carbon dioxide
- B) Oxygen
- C) Nitrogen
- D) Hydrogen

3. How does air help in the process of making rain?

- A) By holding clouds together
- B) By stopping water from evaporating
- C) By helping water vapor rise and form clouds
- D) By pushing the clouds away

B. Fill in the Blanks:

1. _____ is the gas in the air that humans and animals need for breathing.
2. Air helps in pollination by carrying _____ from one flower to another.
3. Wind energy is used to generate _____.

C. Case Study:

- A group of students performed an experiment to understand the importance of air. They placed three candles in glass jars and covered them in different ways:
- Jar A was left open.
- Jar B was covered with a lid.
- Jar C was covered with a lid but had small holes.
- After some time, they observed that:
- The candle in Jar A kept burning.
- The candle in Jar B went out quickly.

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- The candle in Jar C burned for some time before going out.

Case Study Questions:

1. What does this experiment show about the role of air in burning?
2. Why did the candle in Jar B go out first?
3. What do you think happened in Jar C, and why did the candle burn for some time before going out?
4. How does this experiment prove that air is necessary for combustion?

D. Short Answer Questions:

1. Why do humans and animals need air to survive?
2. How does air help in the movement of boats and airplanes?
3. Name two ways in which air is used in sports and games.

E. Long Answer Questions:

1. Explain the different uses of air in daily life, including breathing, wind energy, and pollination.
 2. How does air pollution affect the environment and human health? Suggest ways to reduce it.
 3. Describe how air is important for weather changes like wind, rain, and storms.
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