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**Chapter-15**

**Air Around us**

Question-1: What is the composition of air?

Or

What is Air made up of?

Ans. Air Contains:

1. Water Vapour
2. Oxygen
3. Nitrogen
4. Carbon Dioxide
5. Dust and smoke

Question-2: How can we see the presence of water vapour in air?

Ans. when air comes in contact with a cool surface, it condenses and drops of water appear on the cooled surfaces. By this we can see the presence of water vapour in air.

Question-3: Why the presence of water vapour is important?

Ans. The presence of water vapour in air is important for the water cycle in nature.

Question-4: Name the gas without which burning is not possible.

Ans. Oxygen

Question-5 : Which gas is needed for respiration in humans and animals?

Ans. Oxygen

Question-6: Which gas does not support burning?

Ans. Nitrogen

Note: Nitrogen takes up nearly four-fifth of the space that air fills

Question-7: Which gas is produced by humans and animals during respiration?

Ans. Carbon Dioxide

Question-8: Because of which gas we feel suffocation?

Ans. Carbon Dioxide

Question-9: What is the main cause of dust and smoke?

Ans. The burning of fuel is the main cause of dust and smoke.

Question-10: What is Wind?

Ans. Air in motion is called wind.

Question-11: What do you mean by atmosphere?

Ans. Our earth is surrounded by a thin layer of air, this layer extends upto many kilometers above the surface of earth and is called atmosphere.

Question-12: How do aquatic animals respire?

Ans. Aquatic animals use dissolved air in water for respiration.

Question-13: Give three uses of windmill?

Ans. Three uses of windmills are:

1. They are used to draw water from tube wells.
2. To run Flour mills
3. To generate electricity

Question-14: Give some uses of air.

Ans. Some uses of air are as follow:

1. Birds, bats etc are able to fly because of air.
2. Helps in Water cycle
3. Helps in dispersal of seeds and pollination in some plants.
4. Helps in the movement of sailing yachts, gliders, parachutes and aeroplanes.

Question-15: How do plants and animals help each other in the exchange of gases in the atmosphere?

Ans. Plants and animals help each other in the exchange of gases in the atmosphere Plants take carbon dioxide to prepare food and release oxygen during daytime. This oxygen is taken in by animals and carbon dioxide is released. Thus, plants and animals help in maintaining balance of oxygen and carbon dioxide.