

WELCOME TO THE ONLINE CLASS

SESSION NO.: 8

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 12

CHAPTER NAME: OUR LIFE SUPPORT

TOPIC: LONG Q & A

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **write the questions and answers.**

A. Tick the correct answer.

- This gas is present in the maximum percentage.
 - Oxygen
 - Carbon dioxide
 - Nitrogen**
 - Argon
- Which of the following changes into clouds, rain, fog and snow?
 - Argon
 - Water vapour**
 - Oxygen
 - Hydrogen
- This process is used to remove insoluble impurities from water.
 - Sedimentation**
 - Chlorination
 - Distillation
 - Evaporation
- Impure water contains many disease-causing germs like those of
 - Cholera
 - Jaundice
 - Dysentery
 - All of these**
- This water is mainly used in car batteries, science experiments and in medicines.
 - Boiled water
 - Distilled water**
 - Tap water
 - Sea water

B. Fill in the blanks.

1. The thick blanket of air is held around the earth by the earth's _____.

Ans: gravity

2. Plants get nitrogen with the help of bacteria in the _____.

Ans: soil

3. _____ is used in making colorful electric lights.

Ans: Neon

4. The air we breathe out is called _____ air.

Ans: exhaled

5. When there is more water vapor in the air, we say that the air is _____.

Ans: humid

6. The higher we go, the _____ is the air pressure.

Ans: lower

7. When solid dissolves in a liquid, a _____ is formed.

Ans: solution

8. _____ water is the purest form of water.

Ans: Distilled

C. Write short answers.

1. Name any four gases present in the air.

Ans: Nitrogen, hydrogen, oxygen, carbon dioxide are some of the gases present in the air.

2. How does water vapor form in the atmosphere?

Ans: Water vapour is formed because of the evaporation of water from the surface of water bodies like seas rivers and lakes.

3. Why should drinking water be purified?

Ans: Drinking water should be purified to remove disease-causing germs.

4. Name three processes involved in the treatment of the town water supply.

Ans: The three processes involved in the treatment of the town water supply are:

- Sedimentation
- Filtration
- Chlorination

D. Answer these questions.

1. How is air useful to us?

Ans: Air is useful to us in the following ways:

- It is used for breathing.
- It is used for burning.
- Moving air can support parachutes, gliders and kites.
- It is used to inflate footballs and tubes of vehicles.
- It can also push sailboats.
- It can turn the blades of windmills.
- It is used to draw water and generate electricity.

2. How is stratosphere a very important layer of atmosphere?

Ans: Stratosphere is a very important layer of atmosphere because it contains ozone layer which absorbs ultraviolet rays from the sun which causes skin cancer.

D. Answer these questions.

3. When a burning candle is covered with a glass, it gets extinguished. Why does this happen? What does this activity show?

Ans: When a burning candle is covered with a glass, it gets extinguished. This happens because when we cover the candle with glass then the supply of oxygen gets cut off. Therefore, the candle gets extinguished. This activity shows that air which contains oxygen is needed for burning.

4. What is sedimentation and decantation?

Ans: The process of settling down of heavy particles present in water is called sedimentation.

The process of separation of clear liquid into another container is called decantation.

D. Answer these questions.

5. Explain filtration with the help of a diagram.

Ans: The process in which solid particles in a liquid are removed by the use of a filter is called filtration.

- A circular piece of filter paper is taken and a cone is made out of it.
- The cone is placed inside a funnel.
- The funnel is placed on the mouth of a conical beaker.
- The mixture of soil and water is poured over the filter paper by using a glass rod.
- Drops of clear water will trickle into the beaker and gets collected as filtrate.
- Soil particles will be left on the filter paper.



D. Answer these questions.

6. What is distilled water? What are its uses?

Ans: Distilled water is the purest form of water which do not contain any impurities or minerals.

It is used in car batteries, science experiments and in medicines.

HOMework

- Learn the Q & A

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LEARNING OUTCOME

The learner will be able to:

- **write the questions and answers.**

THANKING YOU
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