

Montfort School Ambikapur

class- 5th subject science

term - 2 chapter 4

Essential for life: air and water

Multiple choice questions

1. The blanket of air around the earth is called . Atmosphere.....
2. atmosphere contains maximum amount of..... nitrogen...
3. which of the following gases is used in fire extinguishers . Carbon dioxide..
4. what percent of the total water is used for drinking. 3%
5. Air.... expands..... on heating.
6. the substances that make the water unfit for use are called..... impurities.

Answer the following question(oral questions)

1. How is air important to us?

Ans. Air is important to us because of the following reasons:-

1. we breathe air to stay alive.
2. we fill air in the balls and Balloons.
3. we use Air to generate electricity by windmill .
4. sailboat need air to move .
5. Aeroplanes fly in the air.

2. Why should we drink clean water?

Ans. We should drink clean water because impurities in water can make us sick.

3. Name the most abundant gas in the atmosphere .

Ans. Nitrogen

4. Name the simplest way to purify water.

Ans. boiling

Multiple choice questions.

1. The gas necessary for burning is Oxygen

2. Which of the following forms a layer of sediment in water? - sand

Fill in the blanks with the help of the given words.

1. A mixture of sand and water can be separated by using filtration

2. We add chlorine tablets to water to kill germs.

3. Salt is a soluble.... impurity.

4. During the process of evaporation thewater is lost.

Multiple choice questions.

1. Drinking water can be purified by boiling.

2. Insoluble impurities from water can be separated by filtration.

Very short answer questions.

1. What is the percent of oxygen in the atmosphere

Ans. 21%

2. Name the instrument which is used to measure atmospheric pressure.

Ans. Barometer

3. What is chlorination ?

Ans. Addition of chlorine tablet in water to kill germs and to make the water pure is called chlorination.

4. what is loading?

Ans. Increase the rate of sedimentation by adding Chemicals like alum is known as loading.

5. The atmosphere acts as a blanket over the Earth and protects it from the harmful rays of the Sun .

A). what happens as we go higher up in the atmosphere?

Ans. As we go higher up in the atmosphere the amount of air becomes less.

B). Do you act like atmosphere for your brothers and sisters?

Ans. We should act like atmosphere for our brothers and sisters and always protect them from the bad people and bad influences.

Long answer questions.

1. A) Explain a method to separate the soluble impurities from water.

Ans. Soluble impurities can be separated from water by evaporation the solution containing soluble impurities is heated after sometime water gets evaporated and the impurities are left Behind.

B) what type of disease can be caused by impure water?

Ans. Cholera

C) what is chlorination?

Ans. Addition of chlorine tablet in water to kill germs and to make water pure is called chlorination.

2. Explain filtration with the help of a diagram.

Ans. Filtration is a method used to separate water from insoluble impurities like sand or by using a filter paper to filter a mixture of water and sand we make a cone of filter paper and keep it inside a funnel the mixture is poured into the funnel the sand does not pass through the filter paper and remains behind on the filter paper this is called Residue the clear water comes out of the filter paper and is collected in the flask below the funnel this is called filtrate.

Draw fig.

Filtration diagram. Pg. No. 170

3. A) why are we able to compress air?

Ans. We are able to compress a air because the molecules of air are very far from each other.

B) what is the importance of air in our life?

Ans. We need air to breathe, generate electricity by using windmill, moves sailboat and aeroplanes and to fill the air in balls and balloons.

