

## Class-VIII

### Subject –Biology

Q1 Name some greenhouse gases

Ans Methane carbon dioxide nitrous oxide and water vapour

Q2 What is the aim of Ganga action plan?

Ans To save rivers by reducing pollution level in the river.

Q3 What is chlorination?

Ans Chlorination is the chemical method for purifying water ,by adding chlorine tablets to the water

Q4 Name the air pollutants released by vehicle

Ans Carbon monoxide, carbon dioxide, nitrogen oxides and smoke.

Q5 Explain the three principles to reduce pollution.

Ans The three principles includes recycle, reuse and reduce of the available resources.

Q6 What is the cause of acid rain

Ans Oxides of nitrogen, sulphur carbon produced by combustion of coal, petroleum etc. dissolves in atmospheric water vapour. They form their corresponding acids like nitric acid, sulphuric acid and reach the earth's surface as acid rain.

Q7 What can we do to reduce air pollution?

Ans 1 Using CNG and unleaded Petrol in the vehicles will decrease the air pollution

2 Say no to crackers campaign may reduce air pollution to some extent.

3. Walking or going by bicycle should be encouraged .

4. Van Mahotsava should be celebrated by planting lakhs of plants and trees.

5. Instead of having own cars people should encourage the habit of carpooling.

Q8 What steps can be taken to restore the river Ganga to its past glory?

Ans Laws should be made and strictly implemented so that polluted water is not disposed of directly into Ganga. Water treatment plant should be installed in all industrial areas.

Q9 What will happen if we drink polluted water?

Ans If we drink polluted water we may suffer from the water borne diseases such as jaundice dysentery, hepatitis ,

Cholera etc

Q10 Define the following :

1 Biological contamination

2 Chemical contamination

3 Van Mahotsav

Ans1 Biological contamination: water contaminated with sewage may contain bacteria ,viruses, fungi, parasites causing diseases like cholera,jaundice etc. this is called biological contamination of water.

Chemical contamination Chemicals like fertilizers wastes, detergents contaminate water, it is called chemical contamination of water.

Van Mahotsava

It is the festival of plantation of trees in July every year.

Q11. How is carbon monoxide produced and write its harmful effects?

Ans Carbon monoxide is produced from incomplete burning of fuels such as petrol and diesel. It is a poisonous gas. It reduces the oxygen carrying capacity of the blood.

Q12. What is smog? How is smog formed? What are the harmful effects of smog?

Ans Smog is made up of smoke and fog. Smoke may contain oxides of Nitrogen which combined with other air pollutants and fog to form smog. The Smog causes breathing difficulties such as asthma cough and wheezing in children.

Q13. What is global warming?What are the harmful effects of global warming?

Ans The due rise in the temperature of Earth's surface due to excessive greenhouse effect produced by increasing amount of carbondioxide gas in the atmosphere is called global warming.

Harmful effects of global warming are

- 1 Global warming can reduce rainfall in some areas of earth leading to drought.
- 2.Global warming can cause sea level to rise.

Q14. Where are CFCs used? What are harmful effects of chlorofluorocarbon

Ans CFC are used in refrigerators, air conditioners and aerosol sprays.CFCs damage the ozone layer of the atmosphere .

Ozone Layer protects us from harmful ultraviolet rays of sun.

Q15 What are the sources of air pollution?

Ans The sources of air pollution are:

- 1 Smoking causes air pollution.
- 2 Burning of fossil fuels causes air pollution
- 3 Stone crushers and cement factories causes air pollution
4. Use of CFC in refrigerator and air conditioners causes air pollution .
- 5 Forest fire and volcanic eruptions are two Natural sources of air pollution.

Q What is air pollution air?

Ans Air pollution is the contamination of air by impurities which may have harmful impact on the living organisms and the non living components.

Q16. What are a pollutant ?

Ans Pollutants are the substances which contaminate the air and water.

Q17. How can water be purified?

Ans1Candle filter is used for water purification

2. Traditional method of water filtration is boiling
- 3 Chlorination is the chemical method of purification of water. 4.Through the process of reverse osmosis water can be purif