

CLASS VIII
G. SCIENCE
CHAPTER – 16
POLLUTION OF AIR AND WATER
Assignment No. 13

Q.1 Fill in the blanks:-

- (i) By volume about _____ of air is nitrogen and about _____ is oxygen.
- (ii) Incomplete burning of fuels produces _____ which is a _____ gas.
- (iii) Carbon monoxide _____ the oxygen carrying capacity of the blood.
- (iv) Petroleum refineries are a major source of gaseous pollutants like _____ and _____.
- (v) _____ used in refrigerators damages the ozone layer of the atmosphere.
- (vi) Ozone layer protects us from the harmful _____ rays of the sun.
- (vii) _____ of the world's population is without safe drinking water.
- (viii) We can save water by remembering the 3R's _____, _____ and _____.
- (ix) Acid rain is formed by the oxidation followed by dissolution of _____ and gases in rain water.

Q.2 MULTIPLE CHOISE QUESTIONS: (Choose the most appropriate answer)

- (A) Which of these causes water pollution?
 - (a) Sewage (b) Industrial waste (c) Fertilizers and pesticides (d) All of these
- (B) Which of these processes can not remove germs from water?
 - (a) boiling (b) Filtration through Porous Pot (c) Reverse Osmosis (d) exposure to UV light
- (C) Which of the following is not a pollutant unless present in excess?
 - (a) Sulphur Dioxide (b) Carbon dioxide (c) Nitrogen dioxide (d) carbon monoxide
- (D) Which of these can cause acid rain?
 - (a) Sulphur Dioxide (b) Carbon dioxide (c) Nitrogen (d) carbon monoxide

Q.3 Define air pollution. What are air pollutants?

Q.4 What are the various sources of air pollutants?

Q.5 What is smog? Why is it harmful?

Q.6 What is acid rain?

Q.7 How is the Taj Mahal affected by air pollution?

Q.8 What is meant by 'Marble Cancer'?

Q.9 Write the full forms (i) CFC (ii) CNG (iii) LPG (iv) WWF

Q.10 What is greenhouse effect? Name four greenhouse gases.

Q.11 Write a note on global warming mentioning its effects too.

- Q.12 What is Van Mahotsav?
- Q.13 Define water pollution. Give three examples of water pollutants.
- Q.14 Why do we say that the river Ganga is dead at many places?
- Q.15 What are the various sources of water pollution?
- Q.16 Name three water borne diseases.
- Q.17 How will one know that water has been contaminated?
- Q.18 What is potable water?
- Q.19 What are the various methods by which water can be made safe for drinking?
- Q.20 Name three ailments caused in humans due to air pollution.
- Q.21 Why is there an urgent need to minimize the use of fossil fuels and use inexhaustible sources of energy.
- Q.22 List some measures that would help to prevent air and water pollution.
- Q.23 Why are forests considered a very important component of environment?
- Q.24 Whenever 'RITA travels, she always insists on getting a sealed bottle of purified water (normally referred to as mineral water). Why does she do this?
- Q.25 Once upon a time Meera visited a nearby farm and asked the farmers about the manures they would prefer to use – chemical fertilizer or farm manures (compost). Is there a difference in their preference, why is that so?

HOTS QUESTIONS

- Q.1 Air Pollution in Delhi improved after CNG was introduced instead of diesel in public transport since CNG gives out less smoke. Introduction of the Metro in Delhi is also expected to reduce pollution. How?
- Q.2 What kind of underground water is more likely to be polluted – that found near the surface of the earth or that found deeper?
- Q.3 Afforestation leads to both air and water conservation as well as soil conservation. How?
- Q.4 Does Potable water mean pure water without any impurities?