



SOLUTIONS

I. Complete the following:

- 1) Among the air pollutants radioactive pollutants are sulphur dioxide, nitrogen dioxide, carbon monoxide, ozone depletion, volatile organic compounds and airborne particles.
- 2) Combustion of fossil fuels produce high levels of air pollution and is widely recognized as one of the most important target areas for reduction and control of environmental pollution.
- 3) When oil is transported by tankers in the oceans, an oil spill may occur and pollute ocean water.
- 4) Perhaps the most important cause of global warming is fossil fuel combustion, which is a major source of carbon dioxide emissions.
- 5) Environment pollution is causing a lot of harm not only to humans but also to animals.
- 6) Environmental pollution can be checked by planting trees near our houses, in our neighborhood and the premises of the educational institutions and offices etc.
- 7) Electricity produces pollution and harms our environment.
- 8) Microwave is also a source of hidden pollution known as radiation.

TEXTUAL QUESTIONS & ANSWERS

A. Answer the following questions in a word, phrase or sentence each :

Q1. What are the most important environmental pollutions?

Ans:- They are air pollution, water pollution and soil pollution.

Q2. Why is combustion of fossil fuels one of the most important target areas for control of pollution?

Ans:- It is because it produces extremely high levels of air pollution.

Q.3. What probably is the most important cause of global warming?

Ans:- Fossil fuel combustion is the most important cause of global warming as it is a major source of CO₂ emissions.

Q.4. How do pesticides and fertilizers cause water pollution?

Ans:- Pesticides and fertilizers causes water pollution by filtering through the soil until they reach ground water.

Q.5. What kind of view should we have of nature?

Ans: We should have a holistic view of nature.

Q6. What do trees do to reduce environmental pollution?

Ans:- Trees consume carbon dioxide and give out oxygen and spread it in the air for us.

Q. 7. How do we recycle waste water?

Ans:- We can start by practicing grey water which can be used for other purposes like watering gardens.

Q8. What happens when there is a malfunctioning of microwave oven?

Ans:- It can cause damage to individual health and also affect the environment.

B. Answer briefly:

Q.1. What are the types of environmental pollution?

Ans: The types of environmental pollution are air pollution, water pollution and soil pollution.

Q2. What are some of the major water pollutants?

Ans:- Some of the major water pollutants are insecticides, herbicides, food processing wastes, pollutants from livestock operation, volatile organic compounds, heavy metals, chemical waste and others.

Q3. How is combustion of fossil fuel harmful to the environment?

Ans:- It produces extremely high levels of air pollution. Fossil fuel combustion is a major source of CO₂ which is an important cause of global warming. It also contributes to soil contamination and water pollution.

Q.4. How are power generating plants and transport a big source of environmental pollution?

Ans:- They are the biggest sources of fossil fuel pollution. Motor Vehicles, shipping industries and aircrafts cause a lot of pollution. They produce extremely dangerous waste that would take thousands of years to neutralize.

Q.5. “Residential sector is another significant source of pollution” How?

Ans: Because it generates solid municipal waste that may end up in landfills or incinerators leading to soil contamination and air pollution.

Q6. What are some of the effects of air pollution?

Ans: Some of the effects of air pollution are asthma, reduced energy levels, irritation of eyes, disruption of the immune system, malfunction of the central nervous system and cancer.

Q7. “ The trans boundary nature of environmental pollution makes it even more difficult to manage it? Explain.

Ans: It means that environmental pollution is causing a lot of distress not only to humans but also to animals, driving many animal species to endangerment and even extinction.

Q8. “We should adopt a holistic view of nature ? Explain.

Ans: Adopting a holistic view of nature means accepting that man and nature are one. It is not an entity that exists separately from us. We should take care of it as we are an inseparable part of it.

Q.9. What can we do with our household wastes in order to improve the environment?

Ans: Instead of throwing those wastes in trash-cans, we can categorize them into recyclable and non-recyclable product and send them to their right place like recyclable waste to recycling company and non-recyclable waste to proper dumping area.

Q10. Why is tree planting important for the environment?

Ans: It is because trees consume carbon dioxide and give out oxygen and spread it in the air for us. It can also reduce environmental pollution.

Q11. Why should we use electricity wisely?

Ans: We should use electricity wisely so that our government need not run additional plants to fulfill our electricity needs as it produces pollution and harm our environment.

Q12. Why is it advisable that vehicle engines are turned off when they are not in use for more than 2-3 minutes?

Ans: It is because starting the engine consumes more fuel than keeping the engine quite for 1 minute.

EXTRA QUESTIONS & ANSWERS**Q1. How are vehicles one of the major sources of air pollution?**

Ans: Vehicles contributes 47.5% of the total air pollution caused in one year. So, it is one of the major sources of air pollution.

Q2. How can our environment be protected?

Ans: We can protect our environment by adopting a holistic view of nature. It can also be protected by scientific construction of latrines, urinals and public toilets, Proper drainage system and maintaining a proper place for disposal of waste and garbage also contribute to a clean environment.



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