

Exercises

A. Tick (✓) the correct option:

1. The substances which pollutes the environment is called_____.

Answer- (b) pollutant

2. Pollution caused by loud sounds of horns and music is_____ pollution.

Answer- (a) noise

3. To keep the air clean we should not burn_____.

Answer- (c) coal

4. Respiratory diseases are caused by_____ pollution.

Answer - (a) air

5. Presence of_____ in water harms aquatic life.

Answer- (b) Mercury

B. Short Answer Type Questions:

1. What is pollution?

Answer - The addition of harmful substances to our natural resources is called pollution.

2. How do pesticides and insecticides used by farmers pollute the environment?

Answer - Pesticides and insecticides can contaminate soil, water and other vegetation. It may lead to the destruction of biodiversity.

3. How do aquatic animals lead to mercury poisoning in human beings.

Answer - Lead and mercury often enter the bodies of fish living in polluted water. If these fish are eaten by man, they may enter the human body causing lead and mercury poisoning.

4. In what form does decomposable waste change when dumped in pits?

Answer - When decomposable waste dumped in pits, it changes into manure.

5. Name the three R's that should be practiced to reduce pollution.

Answer - The three R's that should be practiced to reduce pollution are:

Reduce, Reuse and Recycle.

C. Long Answer Type Questions:

1. What is the difference between degradable and non-degradable waste?

Answer - Biodegradable waste can be broken down by microorganisms into substances that are not harmful to the environment. Example - paper, fruit peels etc.

Non- biodegradable waste cannot be broken down into non harmful substances.

Example - plastic, glass etc.

2. What is recycling? How can we help in recycling?

Answer - Recycle means converting used items into new useful products. We can help in recycling, by giving old newspapers magazines and bottles to the scrap dealers.

3. How do water bodies get polluted?

Answer - Water bodies get polluted due to:

- * Toxic substances from factories.
- * Pesticides and fertilizers used by farmers.
- * Dumping household waste into water bodies.
- * Human sewage.
- * Leakage from Oil tankers.

4. What precautions can be taken to reduce land pollution?

Answer - Precautions that can be taken to reduce land pollution, are as follows :

- i) Throw household garbage in dustbin and dump properly.
- ii) Recycle waste material.
- iii) Use eco-friendly biodegradable products.
- iv) Dump decomposable waste in pits.

5. What are the causes and harmful effects of noise pollution?

Answer - The causes of noise pollution are:

- | | | |
|----------------------------|----------------|--------------------|
| (i) automobile horns | (ii) airplanes | (iii) loudspeakers |
| (iv) machines in factories | (v) loud music | |

Diseases caused by noise pollution are :

- (i) Deafness
- (ii) Irritation, stress and nervous disorder
- (iii) Reduced sense of hearing.

D. Fill in the blanks :

1. Deforestation should be replaced with afforestation.
2. Cholera is caused due to water pollution.
3. Reuse means using the items again.
4. Land pollution makes the soil infertile.
5. Arsenic causes black patches on the skin.

E. State True or False:

1. Glass bottles can be crushed and recycled. True.
2. Shouting at Each Other reduces noise pollution. False.
3. Mercury and lead are good for aquatic life. False.
4. Non degradable waste is more harmful for the environment than degradable waste. True.
5. Recycling helps in reducing waste. True.

F. Match the columns :

Column A

Column B

- | | | |
|-------------------------|---|--------------------------|
| 1. Bio-neem | - | eco- friendly pesticides |
| 2. Biodegradable | - | broken by microorganism |
| 3. Loud music | - | noise pollution |
| 4. Jaundice | - | water pollution |
| 5. Smoke from factories | - | air pollution |

G. Give two examples each of :

1. Air polluting gases - Carbon monoxide, Sulphur dioxide
2. Eco friendly fuels - CNG, LPG
3. Diseases caused by water pollution - Typhoid, Cholera
4. Non- biodegradable waste - Plastic, Glass
5. Biodegradable waste - Paper, Fruit peels

H. Puzzle time :

1. Write the following pollutants in the correct box of pollution caused

Air Pollution -	Smoke from Burning garbage, carbon monoxide, burning forest
Water Pollution-	Lead, Leakage of oil, Mercury
Noise Pollution -	Automobile horn, Loudspeaker, Loud music
Land/Soil Pollution -	Plastic, Aluminium can, Silver foil