

St. Andrews Scots Senior Secondary School

9th , Avenue, I.P Extension, Patparganj

Class-V

Sub-Science

Session- 2025- 2026

Lesson -13 Pollution

- **Reading of the chapter**
- **Explanation (will be done in class)**

(Textbook exercise)

- **A. Tick the correct answer.**
 - 1. dumping of sewage in water bodies**
 - 2. all of these**
 - 3. hearing ailments**
 - 4. presence of harmful gases in the air**
- **B.Fill in the blanks.**
 - 1. environment**
 - 2. noise pollution**
 - 3. water**
 - 4. Jaundice, Typhoid**
- **C. Match the following.**
 - 1. (c) Jaundice**
 - 2. (d) Asthma**
 - 3. (a) Reduces of fertility of soil**
 - 4. (b) Hearing problems**

- **D True or False.**
 1. True
 2. False
 3. True
 4. True
- **Define-** (Learn from pg no- 135)

(Notebook Work

New Words

Any 10 words

Short Question/Answer

1 What is air pollution?

Ans. The contamination of air by harmful substances such as smoke and dust is called air pollution.

2. How is acid rain formed?

Ans. The harmful gases like sulphur dioxide and nitrogen dioxide combine with water vapour form harmful acids. These acids fall with rain and this is called acid rain.

3. What is pollution ?

Ans. Pollution is the release of the substances into air, water or soil that are harmful to living things as well as non-living things.

4 Name three diseases caused due to water pollution.

Ans. Dysentery, Jaundice and Typhoid

5 Name the greenhouse gases.

Ans. Carbon dioxide, ozone, methane and CFCs (chlorofluorocarbons)

Long Question/Answer

1 Explain global warming .

Ans. Excessive concentration of all the greenhouse gases in the atmosphere has increased the average temperature of the earth this is known as global warming. Due to global warming, the glaciers and ice sheets will melt which will add water to the sea level, hence causing many disasters such as flooding of coastal areas and soil erosion also.

2 List the main causes of air pollution.

Ans. Some of the major causes of air pollution are—

- **Smoke and harmful gases released by vehicles and factories.**
- **Using coal, wood and kerosene as fuel.**
- **Bursting of firecrackers.**
- **Volcanic activity**
- **Burning of garbage**
- **Accidental fires and forest fires**

3 List the causes and effects of land pollution.

Ans. The causes of land pollution are—

- **Dumping of wastes such as plastic bags.**
- **Excessive use of insecticides, pesticides and fertilizers.**

- **Excessive cutting of trees or deforestation.**

The effects of land pollution are—

- **It reduces the fertility of the land and may even make it barren.**
- **It harms the organisms living in the soil.**
- **It affects the growth of the plants.**

4 How can we save our environment?

Ans. We can save our environment by---

- **Using cleaner fuels such as CNG and LPG**
- **Afforestation**
- **Treating waste before their disposal in water bodies.**
- **Avoiding use of plastic bags.**
- **Using of wind, water and solar energy.**

5 Explain the greenhouse effect.

Ans. During the daytime, the surface of the earth warms up in the sunlight. At night, surface of the earth cools down, releasing all the heat back into the air. But some of the heat gets trapped by the greenhouse gases keeping the earth warm and cozy. Use of chemicals in factories, deforestation, excess burning of fossil fuels has increased the atmospheric carbon dioxide and other greenhouse gases in the air making the greenhouse effect stronger.

Give Reasons

1. Planting trees can reduce global warming. How?

Ans. Trees absorb the carbon dioxide from atmosphere which is a major cause of global warming.

2. Why should we not use loud sound horns?

Ans. They cause noise pollution.

Activity

Make a poster on any one type of pollution in notebook.

Dictation

Any 10 words

Diagrams



