

Class IV

Subject:- Social Studies

Teacher:- Mili Bhatnagar

Chapter 17 Pollution and Its Impact

Good Morning Students!

Over time, humans have carried out various activities to modify their environment to suit their needs. The activities have polluted the environment. The introduction of pollutants into the environment is called pollution. It affects air, water and land and makes the environment dirty.

The four types of pollution are

- a) Air Pollution
- b) Water Pollution
- c) Land Pollution
- d) Noise Pollution

The mixing of harmful gases, dust, smoke and other particles in air is called air pollution. Human activities are the main cause of air pollution. Like

- a) Burning of garbage, plastic, dry leaves and wood
- b) Burning of fossil fuels to cook, generate electricity and to run vehicles.
- c) Bursting of firecrackers.

Effects:- Breathing in polluted air causes diseases such as asthma, tuberculosis, lung cancer and heart diseases. It can also cause headache and irritation of skin and eyes.

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- Prevention :-
- Plant more trees.
 - Walk short distances
 - Avoid bursting firecrackers.

Water Pollution :- The mixing of pollutants such as chemicals and untreated sewage into water bodies is called water pollution. Drinking polluted water can cause jaundice, typhoid, etc. Plastic waste thrown into water bodies harms aquatic animals. They mistake it for food, eat it and die.

- Prevention :-
- Never throw household and chemical waste and plastic into water bodies.
 - Sewage must be treated in water treatment plants before discharging them into water bodies.
 - Avoid bathing, washing clothes and utensils in water bodies.

Land Pollution :- The release of harmful substances or their accumulation on land is called land pollution. Land Pollution is caused by

- dumping household garbage and factory waste in the open.
- using chemical fertilizers and pesticides in fields.

- Prevention :-
- Plant more trees
 - Throw waste in dustbins
 - Use manure to improve soil fertility

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Noise Pollution:- The presence of continuous, unwanted loud sound in our environment is called noise pollution. Any sound louder than 90 decibels is harmful. It is caused by

- a) honking of vehicles
- b) Use of loudspeakers
- c) Use of home appliances such as mixer grinders, etc.
- d) sound of machines used during construction work.

Noise Pollution can lead to constant headaches, loss of hearing, increase in blood pressure and stress. It disturbs a person's sleeping pattern and causes irritation.

Preventions:-

- a) Listen to music and watch television on a low volume.
- b) Avoid unnecessary honking
- c) Plant trees as they absorb sound.

Fill in the blanks:-

1. Air Pollution
2. diseases

3. hearing
4. planting trees.

Answer in one word

1. Pollutants
2. Pesticide

3. Pollution
4. Sewage / Effluents