



3

Our Environment

Focus On

- ❖ Environment
- ❖ Pollution
- ❖ Types of Pollution
- ❖ Environmental Conservation



HERE WE GO.....

Write five living and five non-living things :

Living	Non-living

We see several living and non-living things around us such as, plants, animals, human beings, insects and birds etc. Furniture, buildings vehicles, air, water, soil etc. are some non-living things. Our environment consists of both living and non-living things. Everything in our surroundings makes up our environment.

Natural Resources

The things that are given to us by nature are called **natural resources**. We breathe **air**, we drink **water**, we get the **soil** to plant new trees, and many other things that we get from the earth such as gas, petrol etc. All of these things are natural resources.

We waste these resources mostly by our carelessness.



LET'S DO



Which is right for environment?

- (a) Wastage of water
- (b) Growing new plants
- (c) Dirtying water bodies



We are mixing harmful waste to land, air and water. Our environment gets **polluted** by these harmful things.

Nowadays, polluted environment has become a matter of great concern.

Types of Pollution

Air Pollution

All living beings need air to breathe. All the plants, animals and human beings need clean air but it is getting dirty and polluted day by day.

Air Pollution Factors :

- ❖ The smoke and other harmful gases from factories and industries mix into air.
- ❖ Smoke of crackers, dust and different types of garbage mix into air and make it dirty.
- ❖ Burning of fuel causes smoke that mixes with air.
- ❖ Smoke coming out from vehicles also causes air pollution.

Effects of Air Pollution :

- ❖ Air pollution has a very bad effect on human health.
- ❖ Due to dust and smoke, our eyes become red and watery and start itching.
- ❖ Asthma, various allergies and lung problems etc. are caused due to air pollution.

Water Pollution

Water is essential for survival of all living beings. We need water for drinking and many other activities. Animals cannot live without water too. Farmers need water to grow crops. But we have polluted all the water bodies such as rivers, lakes, ponds etc. Our harmful activities have badly affected our sources of water.

Water Pollution Factors :

- ❖ Rivers are mostly used for washing clothes, cattle bathing and other cleaning activities. This dirt and soap pollute the water.
- ❖ The dirty water from cities and towns flow directly into rivers through sewer lines and make water polluted.

Fact Byte

Our atmosphere has a layer to protect us from ultraviolet rays of the Sun. This layer is called the 'ozone layer'. But some harmful gases are damaging this layer.



Air Pollution



Water Pollution



❖ Factories do not arrange for safe disposal of their waste water and supply it directly to rivers. It has harmful chemicals and other poisonous garbage that makes water unfit for consumption.

❖ Sometimes, ships spill oil and other chemicals on the surface of water that causes severe conditions for aquatic animals and human too.

❖ Harmful water causes infections. Crops grown in such water make our food polluted.

Effects of water Pollution :

❖ Diseases like cholera, jaundice, typhoid etc. spread through dirty water.

❖ Dirty water causes diseases in animals and plants.

Land Pollution

Several types of solid and liquid waste materials thrown on land and misuse of minerals cause land pollution.

Land Pollution Factors :

❖ Many harmful chemicals and fertilizers make the soil contaminated.

❖ Factories throw their solid and liquid waste on land that also pollute the soil.

❖ Household cleaning agents, phenyl etc. also pollute the land.



Land Pollution

Effects of Land Pollution :

❖ Soil gets contaminated that cause diseases in crops, fruits and vegetable plants. Consumption of this contaminated food makes human beings and animals sick.

❖ These chemical fertilizers, cleaning agents, and other liquid waste also pollute underground water.

Noise Pollution

Unpleasant and loud sound is called **noise**. Too much noise causes noise pollution.

Noise Pollution Factors :

❖ Ear bursting sounds of horns and vehicles give rise to noise pollution.

❖ Excessive use of loud speakers and DJs cause noise pollution.

❖ High volume of television, radio, etc also causes noise pollution.

❖ Sound of powerful fire crackers also adds to noise pollution.

Fact Byte

Rain water harvesting is the method through which we can conserve rain water.



Effects of Noise pollution :

- ❖ It causes headache and irritation.
- ❖ Lack of concentration, deficiency of memory etc. are caused due to noise pollution.
- ❖ Our eardrums may be harmed.



Noise Pollution

Measures to Save the Environment

- ❖ Plants keep the air clean, therefore, we should plant more trees.



FOLLOW IT ★ ★ ★
Save trees for good environment.



- ❖ Use litter bins to throw garbage.

- ❖ To save the paper is to save the trees.



- ❖ Say no to polythene bags. Use environment friendly cotton and jute bags.

- ❖ Say no to fire crackers. They cause a lot of pollution.



- ❖ Always turn off the tap when you see water running.

Flash On

- ◆ Everything in our surroundings make up our environment.
- ◆ Things that are given to us by nature are called natural resources.
- ◆ Air pollution, water pollution, land pollution and noise pollution are all the types of pollution.





Stir Up Your Mind

A. Tick (✓) the correct answer :

- It gives us natural resources.
 (a) Someone (b) Nature (c) No one
- Burning of waste causes this type of pollution.
 (a) Noise Pollution (b) Water Pollution (c) Air Pollution
- Factory waste flowing into water bodies causes :
 (a) water pollution (b) noise pollution (c) air pollution
- Jaundice is caused by polluted :
 (a) air (b) vegetable (c) water
- Loud noise may harm our :
 (a) eyes (b) nose (c) ears

B. Fill in the blanks by using words from the given box :

dirty water, harmful, natural resources, trees, environment

- Exploitation of natural resources is very _____.
- Many diseases are caused by consuming _____.
- Water and soil are _____.
- Everything in our surroundings is our _____.
- Saving papers means saving _____.

C. Write 'T' for True and 'F' for False :

- Water conservation is harmful.
- Noise pollution reduces one's hearing capacity.
- Polluted water causes typhoid.
- Sewage which directly flows into rivers cleans the water.
- Natural resources are made in factories.

D. Match the following :

Column A

- Air pollution
- Chemical fertilizers
- Trees and plants
- Loudspeakers
- Water pollution

Column B

- noise pollution
- cholera
- soil pollution
- asthma
- make the air clean

E. Answer the following questions in detail :

- What is our environment made up of?



2. Elaborate the causes of two types of pollution.
3. Write some measures to save and protect the environment.

F. Answer the following questions in short :

1. Name four main types of pollution.
2. What is environment?
3. What are natural resources?
4. Why should we save water?
5. How can we reduce air pollution?



Practice Time

□ QUIZ

- A.**
1. Name the diseases caused by mosquitoes.
 2. What is rain water harvesting?
 3. What is global warming?
 4. What is ozone layer?

B. Make a collage of pictures of natural resources. Discuss about these in the class.

C. Give one or two words for the following :

1. It means making air, water and land dirty.
2. Environment-friendly bags.
3. Living and non-livings things makes it up.
4. Comes out from factory chimneys.
5. Used for crops growth but pollute underground water.

□ DO IT

- A. Make paper bags. Say no to polythenes.**
B. Make a list of rules for school to prevent pollution.

□ HOTSPOT

- A. Plant a sapling. Take care of it and water it regularly.**
B. Collect and use rain water for cleaning and washing.
C. Discuss about measures of cleaning a river in the class.

