



G D GOENKA PUBLIC SCHOOL

Subject: Ev.Sc./ 5TH

Aspect: Tutorial

Monday 23rd August 2021

Lesson no.: 10. Pollution

Learning Objective: Students will learn about

- Water Pollution
- Causes of Water pollution

Water Pollution

Water is one of the most vital natural resources on earth and without it life is not possible. We have learned about the various ways to conserve water because water is used in almost every important human chores and processes. Water is an essential element in both domestic as well as industrial purposes.

However, a closer inspection of our water resources today gives us a terrible shock. Water is now infested with various wastes ranging from floating plastic bags to chemical waste, converting our water bodies into a pool of poison.

Water pollution occurs when harmful substances—often chemicals or microorganisms—contaminate a stream, river, lake, ocean, aquifer, or other body of water, degrading water quality and rendering it toxic to humans or the environment.

In simple words, *the contamination of water bodies is water pollution.*

What causes water pollution?

There are many causes of water pollution, some of them are



1. Sewage or wastewater:

The waste from households, factories, or agricultural land gets discharged into rivers or lakes. This waste can either be in the form of liquid waste, garbage, or sewage. The harmful chemicals oozing out of this waste can damage aquatic life.

2. Dumping:

Most water bodies get converted into dumping grounds by nearby localities. And this causes a huge problem because the dump contains everything from plastic, aluminum to glass, Styrofoam, etc.

3. Oil pollution:

One of the worst types of water pollution is oil pollution. This is because the *oil spills* from tankers and ships tend to create a thick layer above the water in seas or oceans. And since oil doesn't dissolve, the sludge stays forever.



4. Industrial waste:

Industrial waste is filled with lead, asbestos, petrochemicals, and even mercury. All of these chemicals are highly hazardous for both humans and aquatic life. But, many industries tend to discharge the waste into major water bodies like rivers and lakes around living localities, thus, contaminating the fresh water.

Homework:

Q1. What is an oil spill and how does it happen?