

PROJECT
WATER POLLUTION

Raniganj Girls' College

Course Name: Environment Studies

Course Code: AEE101

Topic of the project: Water pollution

A Project Report

Submitted by Semester-I students (Academic Year 2021-22)

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CERTIFICATE

This is to certify that this project titled “Water pollution” submitted by the students for the award of degree of B.A. Honours/ Program is a bonafide record of work carried out under my guidance and supervision.

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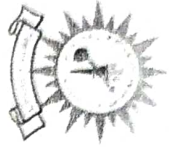
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Date: 18.03.2022

Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department



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REGISTRATION CERTIFICATE

This is to certify that LAXMI KUMARI HARIJAN

Son/Daughter of BECHAN HARIJAN

of RANIGANJ GIRLS' COLLEGE

is registered as a student of this University,

His/Her registration number is 113211210243 of 2021-22

8/3/22



Registrar

Name - Laxmi Kumari Hasejan
Course - B.A (1st semester) Political science

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PROJECT - WATER POLLUTION

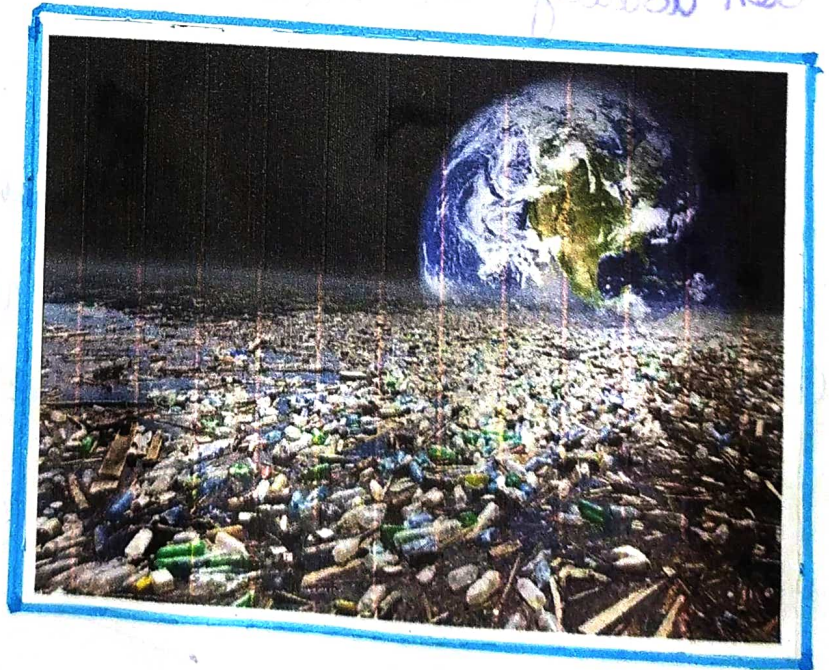
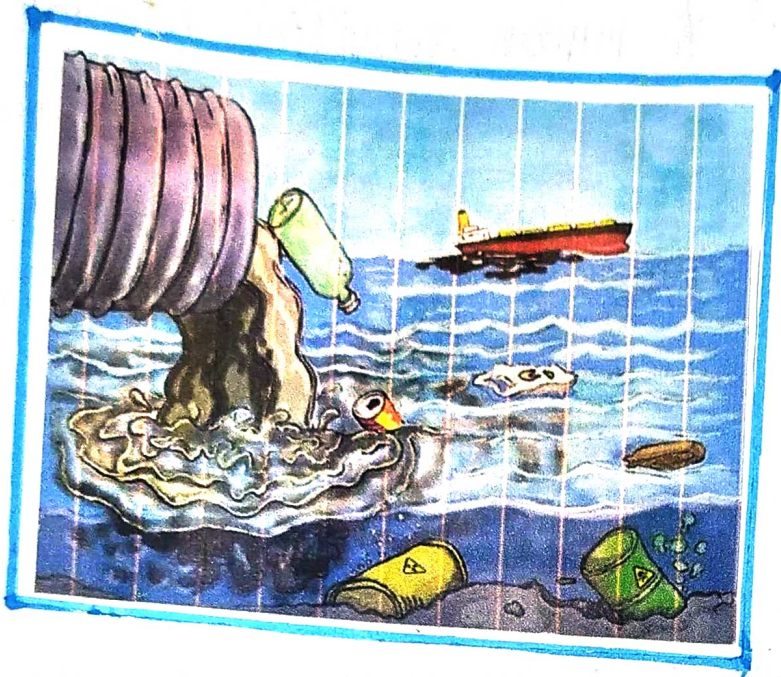
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water pollution.

Water pollution is the contamination of water bodies, usually as a result of human activities, in such a manner that negatively affects its legitimate uses. Water pollution reduces the ability of the body of water to provide the ecosystem services that it would otherwise provide.

Water bodies include for example oceans, aquifers, reservoirs and groundwater. Water pollution results when contaminants are introduced into these water bodies. Water pollution can usually be attributed to one of four sources: sewage, industry, agriculture, and urban runoff including stormwater. For example, releasing inadequately treated wastewater into natural waters can lead to degradation of these aquatic ecosystems.



WATER

Pollution:

Everything you
Need to know.

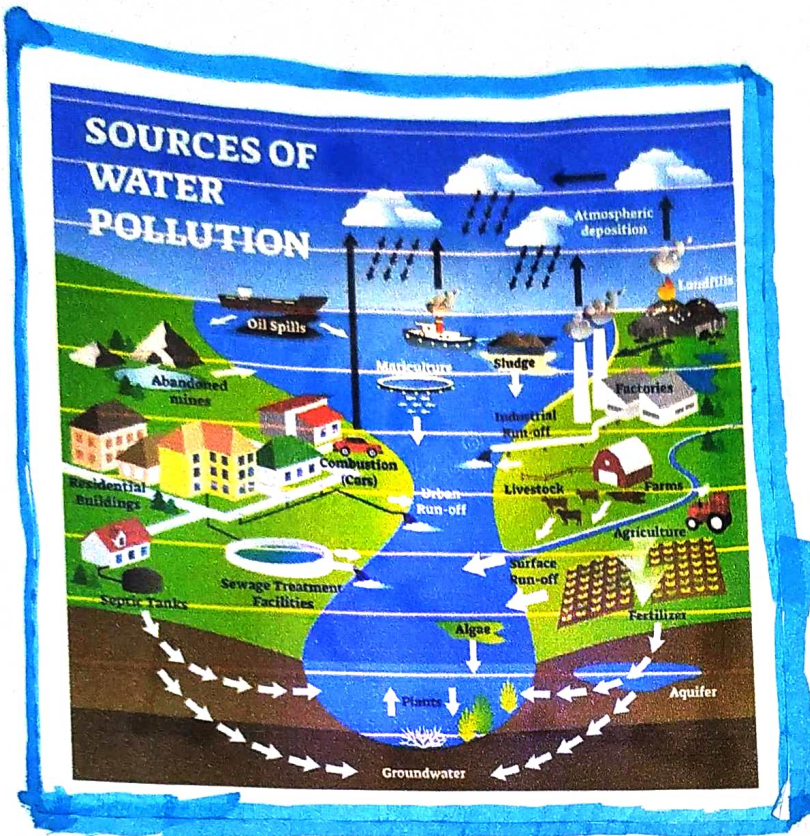
Our rivers, reservoirs, lakes, and seas are drowning in chemicals, waste, plastic, and other polluting. Here's why - and what you can do to help.

British poet W.H. Auden once noted.

"Thousands have lived without love, not one without water." yet while we all know water is crucial for life, we trash it anyway.

Some 80 percent of the world's wastewater is dumped - largely untreated - back into the environment, polluting rivers, lakes, and oceans.

This widespread problem of water pollution is jeopardizing our health. Unsafe water kills more people each year than war and all other forms of violence combined. Meanwhile, our drinkable water sources are ~~finite~~: Less than 1 percent of the earth's freshwater is actually accessible



Water pollution is caused by various sources such as industrial waste, agricultural runoff, and urban sewage. It can lead to harmful algal blooms and other environmental damage.



The image shows a harbor area with several boats docked at a pier. In the foreground, there is a large pile of trash and debris on the shore. The background shows buildings and a bridge over the water.

to us. without action, the challenges will only increase by 2050, when global demand of freshwater is expected to be one-third greater than it is now.

Sip a glass of cool, clear water as you read this, and you may think water polluting is a problem somewhere else. But while most Americans have access to safe drinking water, potentially harmful contaminants - from arsenic to copper to lead - have been found in the tap water of every single state in the nation.

What is water pollution?

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.

What are the causes of water pollution?

What is uniquely vulnerable to pollution know as a "universal solvent," the water is able to dissolve more substances than any other liquid on earth. It's the reason we know have Kool-Aid and brilliant



blue waterfalls. it's also why water is so easily polluted. Toxic substances from farms, towns, and factories readily dissolve into and mix with it, causing water pollution.

EFFECTS OF WATER POLLUTION

- ① Nuclear tests in the oceans get nuclear particles in the water, which destroy the marine life and flora and disturb the environmental balance of the ocean.
- ② By drinking pollution water, human diseases like cholera, dysentery, tuberculosis, stomach related etc. arise. Along with contaminated water, tapeworms, roundworms etc. reach the human body, due to which the person become diseased.
- ③ Residuals from factories in water, hot water contaminate the water source as well as heat the environment there, due to which the number of flora and fauna will be reduced and the aquatic environment will become unbalanced.
- ④ clear clear water ~~will~~ which is needed by all living being in very essential quantity, it ~~is~~ will be lacking.

AVOID WATER POLLUTION

- ① Effective legal steps should be taken by declaring the discharge or dumping of waste in the river or any other water source illegal.
- ② The organic matter should be oxidized before handling it.
- ③ Chemical substances, such as bleaching powder, etc. should be used to destroy the bacteria in the water.
- ④ Nuclear tests being carried out in the seas at the international level should be stopped.
- ⑤ Awareness should be created in the society and the general public about the danger of water pollution.

* Causes of water pollution ^{Salt} Not only does it have a bad effect on animals and plants, as well as water is not potable and gets polluted.

* These ~~solution~~ water sources are also contaminated by people in the village taking bath in ponds, canals, washing clothes, bathing animals, ~~etc~~ cleaning utensils etc.

* When nuclear tests are done in water, their nuclear particles get mixed in the water and they contaminate the water.

SOLUTIONS

WATER POLLUTION

Water pollution is caused by many factors including (but certainly not limited to): uncontrolled construction sites, leaking sewer lines, stormwater runoff, accidental spills and leaks, improper discharge of waste, and others. Options of water pollution solutions are equally diverse.

Freshwater is one of the most vital resources for all life on Earth. Much of the water we count on daily for cooking, bathing, and other routine activities is supplied from rivers, lakes, and other surface water sources. However, without widespread care and appropriate protection and treatment systems, our water sources are becoming more and more polluted. As a result of needs that have exceeded funding, there is an ever increasing gap occurring between and the amount of public funding available and the measures truly needed for implementing the quantity of water pollution solutions.

While many of the solutions of water pollution need to be applied on a broader macro-level, we have listed seven simple water pollution solutions that individuals, companies and communities can take to have a significant and responsible impact on the water quality around them!

8/25/22