

RANIGANT GIRL'S
COLLEGE

ENVIRONMENT STUDIES PROJECT

ENGLISH HONOURS
SEMESTER-1

NANDINI SHAW

UNIVERSITY ROLL NO:-

UNIVERSITY REGISTRATION NO:-

113211210189 OF 2021-22

COLLEGE ROLL :- 490

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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Place: Raniganj

Mousmita Pal

Date: 18.03.2022

Assistant Professor, Department of Zoology

Signature of the supervisor with designation and department

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Air Pollution In The Area Of Raniganj And Its Qualitative Measurement.



Introduction

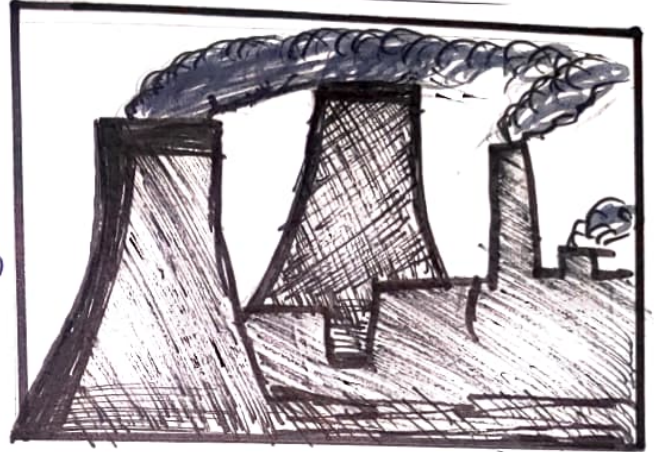
Air Pollution is the contamination of air due to the presence of substances in the atmosphere that are harmful to the health of humans and other living beings, or cause damage to the climate or to materials. There are many different types of pollutants, or cause damage to the climate or to materials. There are many different types of pollutants, such as gases (including ammonia, carbon monoxide, sulfur dioxide, nitrogen oxides, methane, carbon dioxide and chlorofluorocarbons), particulates (both organic and inorganic), and biological molecules. Air Pollution can cause diseases, allergies, and even death to humans; it can also cause harm to other living organisms such as animals and food crops, and may damage the natural environment.

Causes of Air Pollution.

Following are the important causes of air pollution:-

i) Factories and Industries:

Factories and industries are the main source of carbon monoxide organic compounds, hydrocarbons and chemicals. These are released into the air degrading its quality.

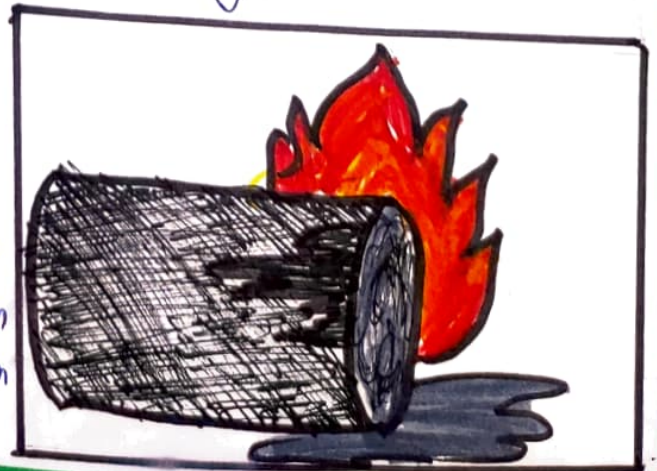


ii) Vehicular Exhaustion:-

Cars, trucks and other vehicles with engines cause air pollution. The exhaust from these contains carbon monoxides. This type of air pollution causes respiratory health problems and holes in the ozone layer, which increases the exposure to the sun's harmful rays.

iii) Burning of fossil fuels:-

The combustion of fossil fuels emits a large amount of sulphur dioxide. Carbon monoxide released by incomplete combustion of fossil fuels also results in air pollution.



Objective.

- Our objectives for doing this Project is to express our disapproval of air pollution as it has been the biggest cause of global warming so far. Things like greenhouse gases and car exhaust are the most common causes for Air Pollution.
- Protect and enhance the quality of air resources, and also protect public health and welfare while fostering a beneficial productive capacity.
- Prevention, control and abatement of Air Pollution.
- If we do not stop air pollution, the ice caps in the north pole will eventually melt and the sea level will rise, thus flooding the low lying countries. It will kill many animals like polar bears.
- Air pollution is also destroying the ozone layer and lots of animals thus we can aware people want to reduce it.
- At last we think that by doing a campaign we can aware people of the cons of air pollution and tell them what they can do to stop it.

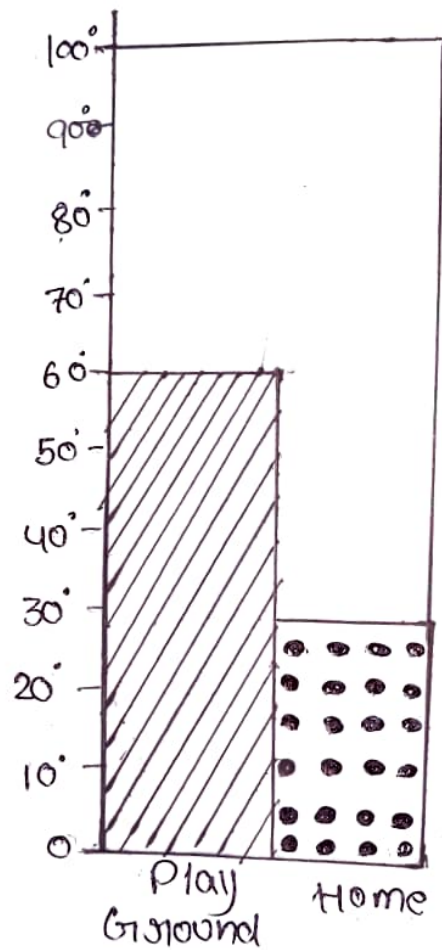
Experimental Set UP Formation.

Air Pollution is a mixture of Solid Particles and gases in the air. car emissions, chemicals from factories, dust, Pollen and mold spores may be suspended particles.

- Today I do air pollution experiment.
So I need some necessary things as -
 - i. Two Paper Plate.
 - ii. A vaseline.
 - iii. Two long tape.
- At first, I do two holes in one Paper Plate. Similarly four holes make in other two Paper Plate. Then take a long tape. These four put the tape in this in this hole in those plate. After this the front side of this ~~three~~ two Plate apply the vaseline in whole of the front side in those Paper plate. Then we need find a place where you can take and also catch the pollution. I think that this project must be done at near over main road, and home

Diagrammatic Representation of Degree of Pollution in Two different Area.



Showing the Air Pollution in Our Locality
(Raniganj)



Scale.

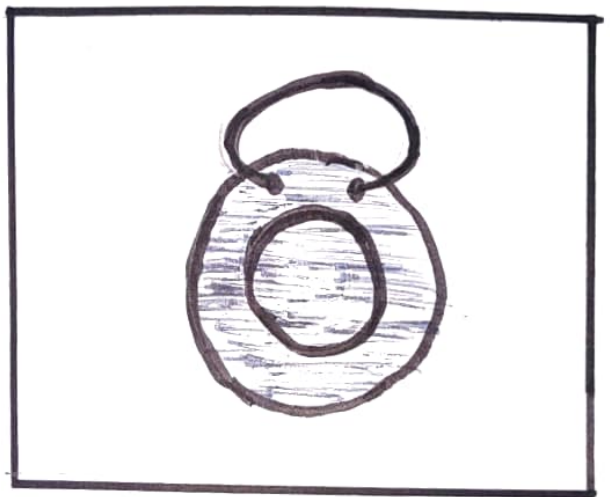
VERTICAL SCALE -
1cm to 10'

Index

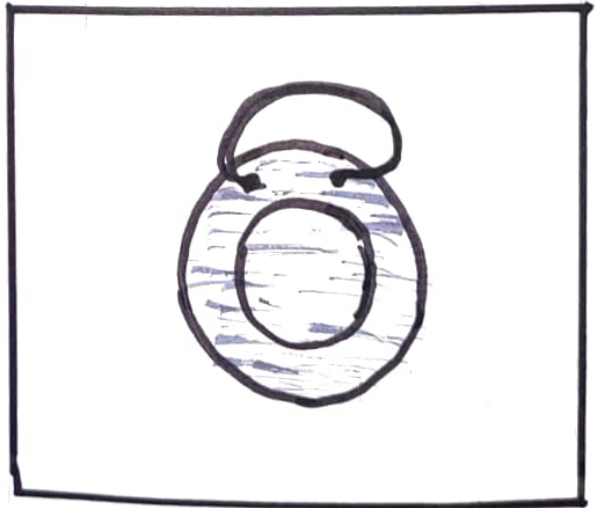
-  - Play Ground
-  - Home.

Air Pollution In Different Places:

Play Ground →



Home →



Interpretation.

The area we live is full of greenery so air pollution level is not the matter of thought to us. Where air pollution is mainly found are:-

i. Play ground.

ii. Home.

■ As per my survey on vehicles the pollution level of these places are as follows:-

i. Play ground - 60°

ii. Home - 30°

■ The playground in this area of surrounded by green trees and the field is a bit away from the main road so the amount of pollution from the main road near is a bit less. There are a number of trees in the home and my home is the from the play ground so the level of pollution in the home is low.

Conclusion.

- Air Pollution is a major environment issue. It can affect the health and life support system as well. Since clean air is an essential factor of life for respiration, it is necessary to prevent the sources of air pollution.
- Air Pollution is often the most obvious and wide-spread type of pollution.
- Health effects of these pollutants include respiratory diseases, birth defects, heart attacks, cancer, and developmental disabilities in children. Environment impacts include destruction of stratospheric ozone, poisoning of forests and waters by acid rain, and corrosion of building materials.
- We have made encouraging progress in controlling air pollution, progress that has economic benefits as well as health benefits.

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Acknowledgement.

I would like to express my special thanks of gratitude to my respected Professor Buddhadev Mallick, Department Zoology, Raniganj Girls' college, for his sincere support and co-operation in the preparation of this project on air pollution in the area of Bangajal Ghati and its qualitative measurement in Environment Studies, Semester - 1

Date: 15.03.22

Signature of Student
... Nandini Shaw ...