

RANIGANJ GIRL'S COLLEGE



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Raniganj Girls' College

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Topic of the project: Air pollution in my locality

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 “Air pollution in my locality” 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

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 PANDAVESWAR



INTRODUCTION

Air pollution is the introduction into the atmosphere of chemicals, particulates, or biological materials that cause discomfort, disease, or death to humans, damage other living organisms such as food crops, or damage the natural environment or built environment. A substance in the air that can be adverse to humans and the environment is known as an air pollutant. Pollutants can be in the form of solid particles, liquid droplets, or gases. In addition, they may be natural or man-made. Pollutants can be classified as primary or secondary. Usually, primary pollutants are directly produced from a process, such as from a volcanic eruption, the carbon monoxide gas from a motor vehicle exhaust or sulphur dioxide released from factories. Secondary are not emitted directly. Rather, they form in the air when primary pollutants react or interact. Some pollutants may be both primary and secondary: that is, they are both emitted directly and formed from other primary pollutants.

CAUSES OF AIR POLLUTION

Following are the important causes of air pollution :-

1) The burning of fossil fuels

- Most of the air pollution takes place due to the burning of fossil fuels such as coal, oil, gasoline to produce energy for electricity or transportation. The release of carbon monoxide in high level indicates how much fossil fuel is burned.

2) Transportation

There is no denying that vehicle pollution is the major contributor to air pollution especially in urban cities. When the car burns gasoline, it emits pollution in the air is as harmful as smoking 10 cigarettes is as day.

3) Open burning of garbage waste

Open burning of garbage is much more harmful to your health and the environment than one may think. Exposure to open burning of garbage waste can pose serious health risk including cancer, liver issues, impairment of immune system, reproductive functions; can also affect the developing nervous system.

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.
- Air pollution is also destroying the ozone layer and lots of animals. Thus we 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.
- If we do not stop air pollution, the icecaps in the north pole will eventually melt and the sea level will rise, thus flooding the low lying countries. It will kill many birds and animals like polar bears.
- prevention, control and a betterment of air pollution.
- protect and enhance the quality of air by sources and also protect public health and welfare while fostering a beneficial productive capacity.

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 —

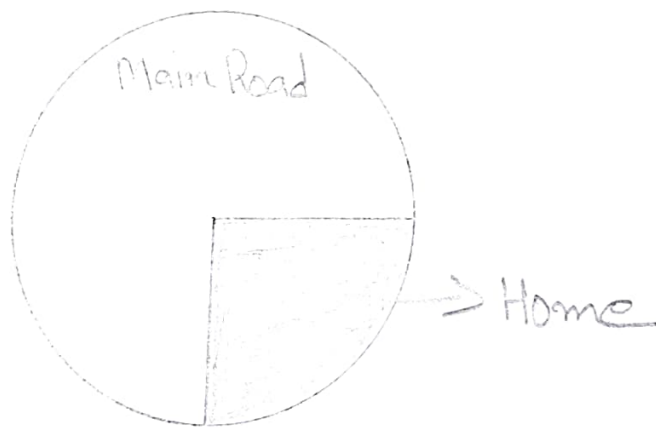
- ① Two paper plate
- ② A vaseline
- ③ Two Long Tape

■ At first, I do two holes in one paper plate, similarly four holes make in other one paper plate. Then take a long Tape, there fore put the Tape in this hole in those plate. After this the front side of this Three 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 our main Road, and Home.



DIAGRAMATIC REPRESENTATION OF PIE CHART
of POLLUTION IN TWO DIFFERENT AREA

SHOWING The Air POLLUTION IN Our Locacity
PANDAVESWAR

Pie chart

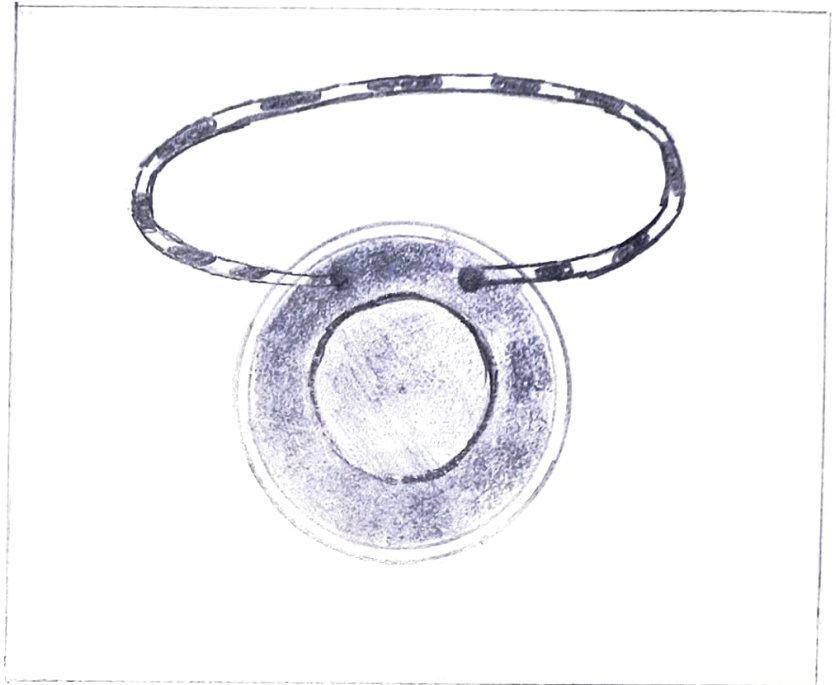


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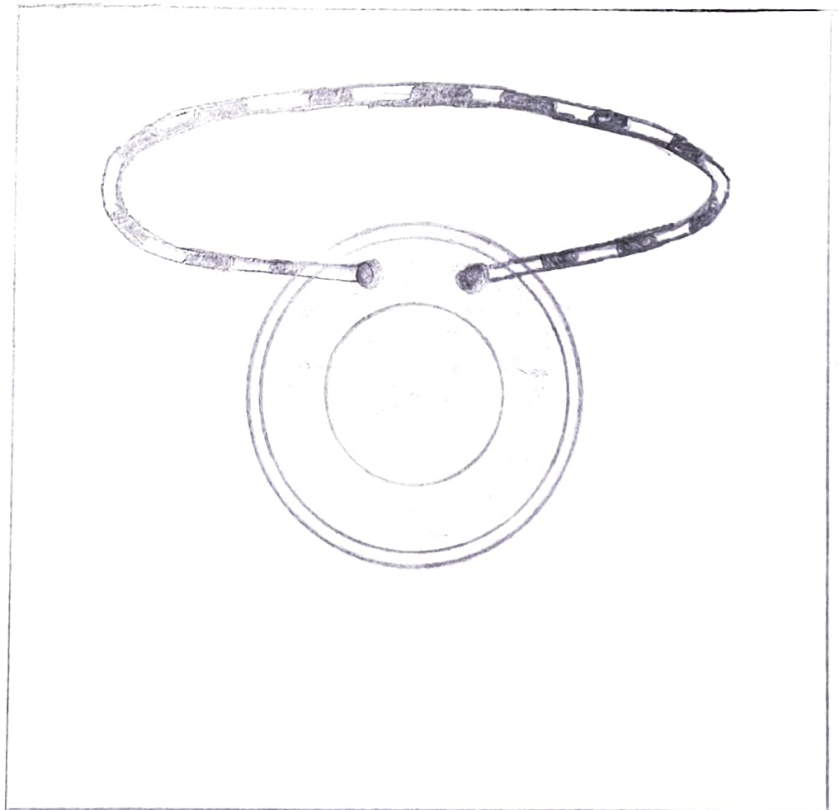
-  Main Road
-  Home

AIR POLLUTION IN DIFFERENT PLACES

MAIN ROAD →



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) Main Roads

ii) Home

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

i) Main Road - 90° (Highest)

ii) Home - 30° (Lowest)

■ The place where I live has a lot of traffic on the main road and some factories have sprung up on both sides of the main road resulting in high pollution levels on the main road. Again the home is low. The main road so the amount of pollution from the main road here is a bit less.

CONCLUSION OR INFERENCE

- Air pollution is a major environment issue. It can affect the health and life support systems as well. Since clear air is an essential factor of life for respiration, it is necessary to prevent the sources of air pollution.
- We have made encouraging progress in controlling air pollution, progress that has economic benefits as well as health benefits.
- 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.

ACKNOWLEDGEMENT

I would like to express my special Thanks of gratitude to my respected professor Buddhadev Mallick, Department of Zoology, Raniganj Girls' College, for his sincere support and co-operation in the preparation of this project on air pollution in the area of pandaveswar and its Qualitative measurement in Environment studies,
Semster - 1st

Date :- 15/03/22

Signature of student

Dibya Koiri

Examined
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18-03-22