

Pollution and its Types

Pollution is the introduction of contaminants into the natural environment that cause adverse change. Pollution can take the form of chemical substances or energy, such as noise, heat, or light. Pollutants, the components of pollution, can be either foreign substances/energies or naturally occurring contaminants.



- Soil pollution



- Air pollution



Major Pollution's

- Water pollution



- Sound Pollution



Air Pollution

Air pollution is 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 air pollutants, such as gases, particulates, and biological molecules.

Causes of Air pollution

- Factories
- Vehicles
- Agriculture Activities

FACTORIES

Factory pollution is often thought of as those mostly visible and smelly smokestack emissions. The most common factory air pollutants are greenhouse gases from the burning of fossil fuels. Factories contribute to water and land pollution by acidifying rain, chemical spills and disposal of toxic waste.

Remedies



- Keeping Factories away from towns and villages can control pollution.
- Use Technology to Destroy **Pollutants** at the Source.
- Choose Non-Toxic Materials to Manufacture Goods.

Vehicles

The motor vehicle engine emits many types of pollutants including nitrogen oxides (NO_x), volatile organic compounds (VOCs), carbon monoxide (CO), carbon dioxide (CO_2), particulates, sulphur dioxide (SO_2) and lead.

Remedies



- Using Electric vehicles can reduce pollution to some extent
- Ride a bike or walk. If you are only going a short distance, consider riding a bike or walking instead of driving
- Take public transit. If you need to go somewhere that is along a bus or light rail line, consider taking public transit instead of going in a car.

Agriculture

Agricultural pollution refers to biotic and abiotic byproducts of farming practices that result in contamination or degradation of the environment

Remedies

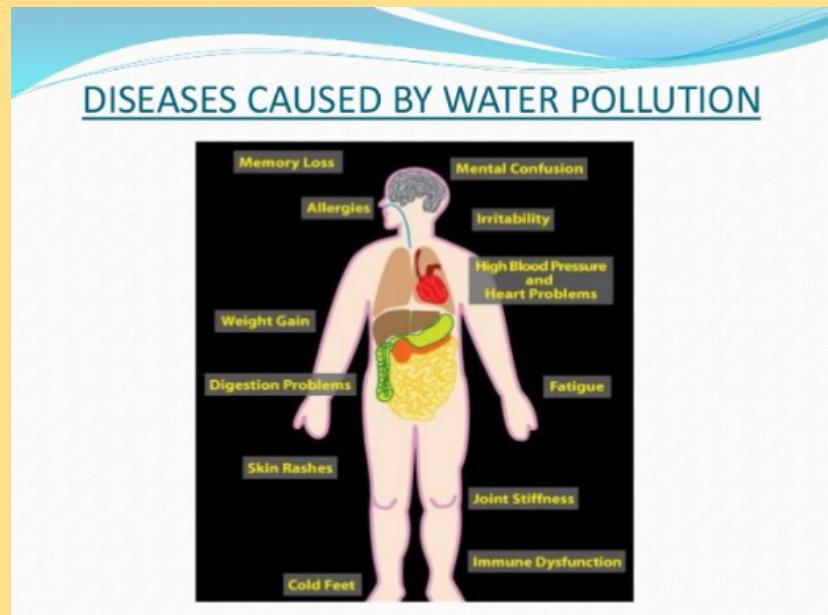
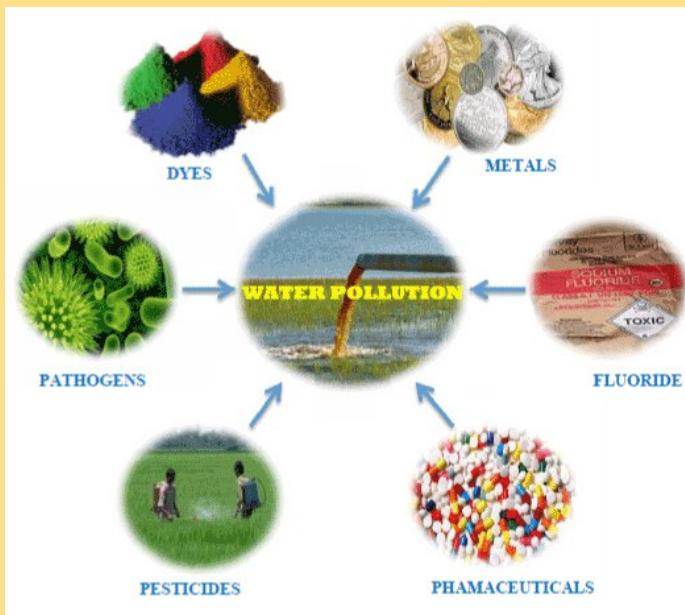


- Organic Farming or Natural Farming
- Use of Bio pesticides and Bio fertilizers
- Use of pheromonal traps for control of pests

Water Pollution



Water pollution is the contamination of water bodies, usually as a result of human activities. Water bodies include for example lakes, rivers, oceans, aquifers and groundwater. Water pollution results when contaminants are introduced into the natural environment.



Remedies

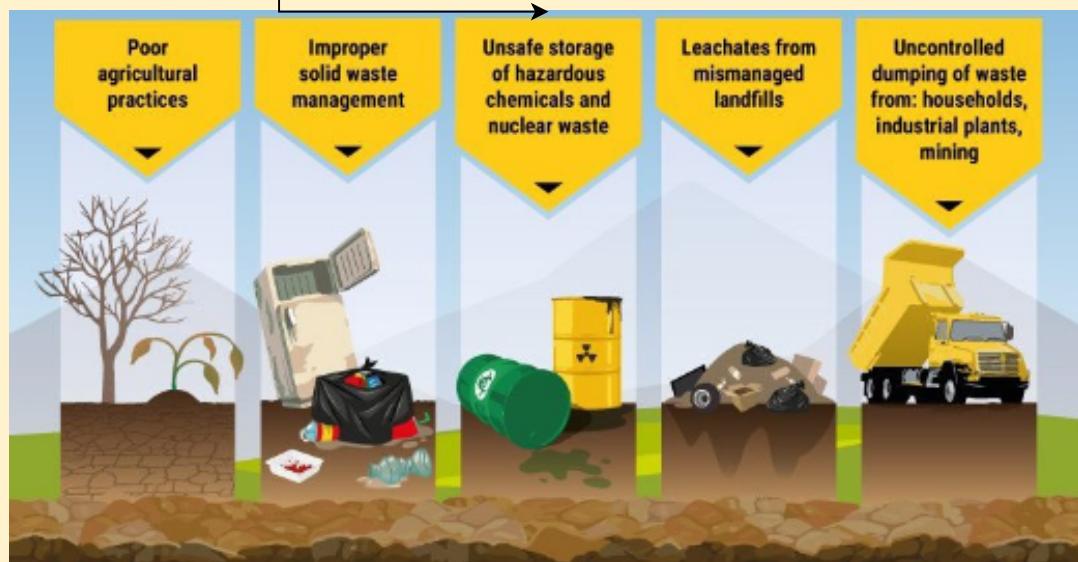
- Stabilization of eco systems
- Do not throw industrial, farm or other waste and sewage into rivers.
- Boil water before drinking.
- Recycling of waste
- City water should be treated properly.
- Oil spills should be prevented.
- Dead bodies should not be thrown in water bodies.
- Trees should be planted along the rivers.
- Awareness should be created among the people.

Soil Pollution

Soil contamination or soil pollution as part of land degradation is caused by the presence of xenobiotics chemicals or other alteration in the natural soil environment. It is typically caused by industrial activity, agricultural chemicals or improper disposal of waste.



Causes of Soil Pollution



Land Pollution

Causes	Effects	Solutions
<ul style="list-style-type: none">▪ Agriculture▪ Use of fertilizers▪ Use of pesticides▪ Deforestation▪ Mining▪ Industrialization▪ Landfills▪ Sewage▪ Chemicals▪ Nuclear waste▪ Construction▪ Littering	<ul style="list-style-type: none">▪ Climate effects▪ Soil pollution▪ Health effects▪ Wildfires▪ Effects on tourism▪ Air pollution▪ Effects on our groundwater▪ Effects on animals▪ Effects on plants	<ul style="list-style-type: none">▪ Reduce the use of fertilizers▪ Reduce the use of pesticides▪ Reuse and recycle▪ Reduction in consumption▪ Switch to organic food▪ Organic gardening▪ Avoid plastic▪ Avoid littering▪ Proper waste disposal▪ Education▪ Convince people

Sound Pollution

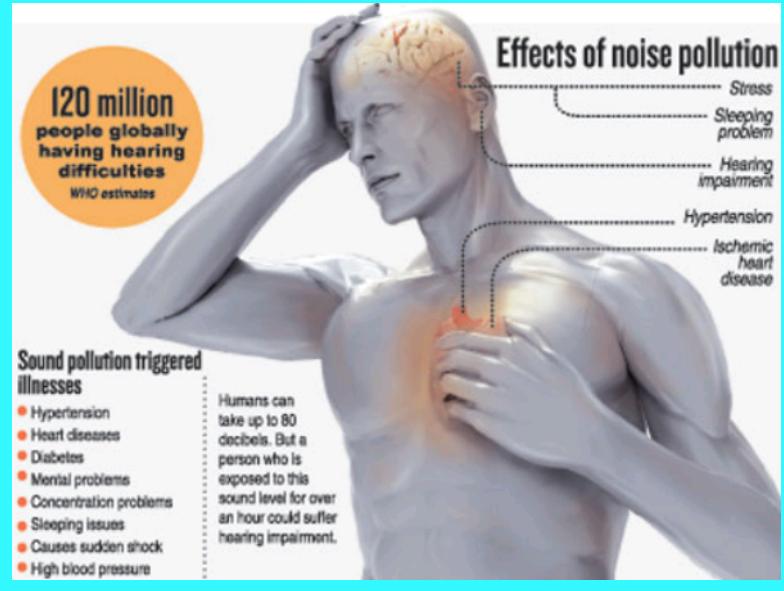
Noise is unwanted sound. A sound which has unpleasant effects and discomfort to ears is called noise. Generally sound generated by vehicles, horns, loudspeakers, planes, construction etc. are reasons for noise pollution.



Causes of Sound Pollution



Effects of Sound Pollution



SOLUTIONS FOR NOISE POLLUTION

- Planting bushes and trees in and around sound generating sources is an effective solution for noise pollution.
- Regular servicing and tuning of automobiles can effectively reduce the noise pollution
- Social awareness programs should be taken up to educate the public about the causes and effects of noise pollution.
- Workers should be provided with equipments such as ear plugs and earmuffs for hearing protection.

Save Environment



It is Not Yours, nor Mine.
It is ours. So, Protect
Your Mother Who Nourished You.
Happy World Environmental Day



**3R's Principles
Start Today
to save Tomorrow**