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PRESENTATION ON POLLUTION

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Air Pollution



1 Will Be Discuss....

- ✓ Air Pollution
- ✓ Types of Air Pollution
- ✓ Causes of Air Pollution
- ✓ Solutions of Air pollution

Air Pollution

- Pollution of the air, especially by smoke or gases from vehicles, factories, and power stations.
It can cause disease, kill plants, and damage structures



Types of Air Pollutants

- *Primarily air pollutants*

The pollutants that are a direct result of the process can be called primary pollutants. A classic example of a primary pollutant would be the sulfur-dioxide emitted from factories.

- *Secondary Air pollutants*

Are the ones that are caused by the inter mixing reaction of primary pollutants. Smog created by the interaction of some primary pollutants is known to be as secondary pollutant.

Causes of Air pollution

- *Burning of Fossil Fuels*

Sulfur dioxide released from the burning of fossil fuel like coal, petroleum and other factory fire is one the major cause of air pollution. Pollution emitting from vehicles including trucks, jeeps, cars, train, airplanes cause huge amount of pollution.

- *Agricultural activities*

Ammonia is a very common by product from agriculture related activities and is one of the most harmful gases in the atmosphere. Use of insecticides, pesticides and fertilizer in agricultural activities has grown quite a lot. They emit harmful chemicals into the air and can also cause water pollution.

- *Exhaust from factories and industries*

Manufacturing industries release large amount of carbon monoxide, hydrocarbons, organic compounds, and chemicals into the air so reducing the quality of air.

-Petroleum refineries also release hydrocarbons and various other chemicals that pollute the air and also cause Land pollution.

- *Mining operations*

Mining is a process in which minerals below the earth are extract using large equipment's.

-During the process dust and chemicals are released in the air causing massive air pollution.

-This is one of the reason which is responsible for the declining health conditions of workers and nearby residents.

- **Indoor air Pollution**

-Household cleaning products, painting supplies release deadly chemicals in the air and cause air pollution.

-Have you ever noticed that once you paint walls of your house, it creates some sort of smell which makes it exactly impossible for you to breath is another cause of pollution.



Solutions for Air Pollution

- *Use public mode of transportation*

- Encourage people to use more and more Public modes of transportation to reduce pollution.

- If you and your age group come from the same area and have same timings you can travel this possibility to save energy and money.

- *Conserve energy*

- Switch off fans and lights when you are going out.

- Large amount of fossil fuels are burnt to produce electricity.

- You can save the environment from poverty by reducing the amount of fossil fuels to be burned.

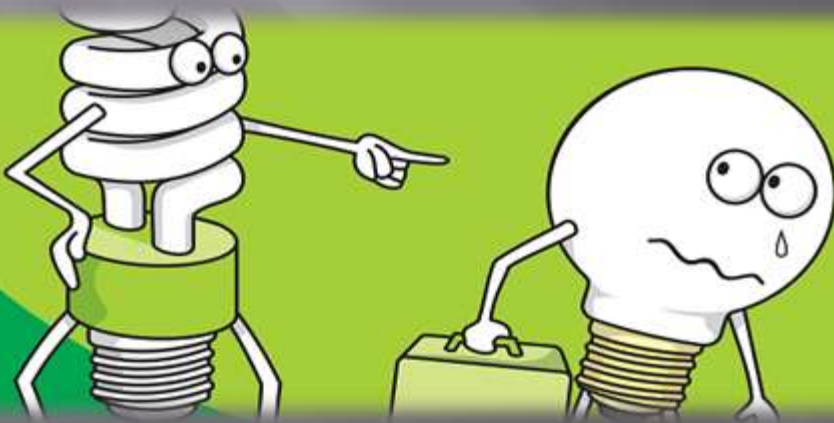
- *Understand the concept of Reduce, Reuse and Recycle*

- Do not throw away items that are of no use to you.
- In-fact reuse them for some other purpose.
- For e.g. you can use old jars to store cereals or pulses

- *Emphasis on clean energy resources*

- Clean energy technologies like solar, wind and geothermal are on high these days.
- Governments of various countries have been providing allowances to customers who are interested in installing solar panels for their home.
- This will go a long way to control air pollution.

- *Use energy efficient devices*
 - (CFL) Compact fluorescent lamps consume Less electricity as against their complements.
 - They live longer, consume less electricity, lower electricity bills and also help you to reduce pollution by consuming less energy.





Land Pollution



1 Will Be Discuss.....

- ✓ Land Pollution
- ✓ Causes of land pollution
- ✓ Solutions of Pollution

Land Pollution

Land pollution is the degradation of earth's land surface often caused by human activities and their misuse of land resources.



Causes of land pollution

- *Deforestation and soil erosion*
 - Deforestation carried out to create dry lands is one of the major concerns.
 - Land that is once converted into a dry or barren land, can never be made fertile again, whatever the magnitude of measures to redeem it are.
 - Land exchange, meaning the alteration or modification of the original properties of the land to make it use-worthy for a specific purpose is another **major cause**.

- **Agricultural activities**

- With growing human population, demand for food has increased considerably.
- Farmers often use highly toxic fertilizers and pesticides to get rid off insects, fungi and bacteria from their crops.
- However with the overuse of these chemicals, they result in contamination and poisoning of soil.

- **Mining activities**

- During extraction and mining activities, several land spaces are created beneath the surface.
- We constant hear about land caving in; this is nothing but nature's way of filling the spaces left out after mining or extraction activity.



- **Overcrowded landfills**

- Each household produces tones of garbage each year. Garbage like aluminum, plastic, paper, cloth, wood is collected and sent to the local **recycling** unit. Items that can not be recycled become a part of the landfills that hampers the beauty of the city and cause land pollution

- **Industrialization:**

- Due to increase in demand for food, shelter and house, more goods are produced.
- This resulted in creation of more waste that needs to be disposed of. To meet the demand of the growing population, more industries were developed which led to deforestation.
- Research and development paved the way for modern fertilizers and chemicals that were highly toxic and led to soil contamination. n.

- *Nuclear waste*

- Nuclear plants can produce huge amount of energy through nuclear fission and fusion.
- The left over radioactive material contains harmful and toxic chemicals that can affect human health. They are dumped beneath the earth to avoid any casualty.

- *Sewage treatment*

- Large amount of solid waste is leftover once the sewage has been treated.
- The leftover material is sent to landfill site which end up in polluting the environment.

Solutions for Land Pollution

- ✓ Make people aware about the concept of **Reduce, Recycle and Reuse**.
- ✓ Reduce the use of **fly spray** and fertilizers in agricultural activities.
- ✓ Avoid buying packages items as they will lead to **garbage** and end up in landfill site.
- ✓ Ensure that you do not litter on the ground and do proper disposal of garbage.
- ✓ Buy **green** products.
- ✓ Do **Organic gardening** and eat organic food that will be grown without the use of insect killer.
- ✓ Create dumping ground away from housing areas.
- ✓ We walk and survive on land. It is exactly the base of our environment. It is in our good interest to take care of it and nurture it.



Water pollution



It Will Be Discuss.....

- ✓ Water Pollution
- ✓ Types of Water pollution
- ✓ Causes of Water pollution
- ✓ Effects of water pollution
- ✓ Solutions
- ✓ Conclusion

Water Pollution

- Water pollution is the pollution of natural environment with harmful substance often as a importance of human activities.



Types of Water Pollution

- ✓ Microbiological
- ✓ Chemical
- ✓ Oxygen-depleting substance
- ✓ Nutrients
- ✓ Oil pollution

Causes of water Pollution

- Domestic Household, industrial and agriculture practices produce waste water that can cause pollution of many lakes and rivers.



- Dumping of litter in the sea can cause huge problem in the marine animals and may result in the **death**



- Nuclear waste is produced from industrial, medical and scientific processes that use radioactive material. Nuclear waste can have detrimental effects on marine habitats



Effects of Water Pollution

- The effects of water pollution are not only devastating to people but also to animals, fish, birds. Polluted water is unsuitable for drinking, recreation, agriculture, industry.



- Destroying drinking water
- Destroying food animals
- Unbalanced river and lake ecosystem that can't support full biological and diversity any more
- Deforestation from acid rain, and many other.



What can we do to prevent water pollution

- Be careful about throw down your sink or toilet
- Use environmentally household products, such as washing powder, household cleaning agents, and toiletries
- Take great care not to a overuse pesticide and fertilizers.
- don't throw litter in to rivers, lakes and oceans.

Conclusion

- I think that we have change our habits because the water is natural recourse is very important and if we follow the same way till now, one day may be our son woke up and they won't have water to drink.



Questions!

1. Discuss Any Two Major Causes of Air Pollution?
2. How Can We Prevent Land Pollution?
3. What Does CLF Stands For?
4. Tell Any Three Types of water pollution?
5. How Nuclear Plants Can Produce Huge Amount of Energy?

A close-up photograph of two hands, palms up, holding a small, rectangular piece of white paper with deckled edges. The paper is held horizontally across the center of the hands. On the paper, the words "Thank You" are written in a black, elegant cursive font. The background is a solid, dark color, making the hands and the paper stand out. The lighting is soft, highlighting the texture of the skin and the paper.

Thank You