

A dramatic industrial scene at sunset or sunrise. Two tall, dark smokestacks are the central focus, each emitting a thick, billowing plume of white and yellow smoke that rises into the sky. The sky is a deep, warm orange-brown. In the background, a port area is visible with several large gantry cranes and a body of water. The overall atmosphere is one of intense industrial activity and air pollution.

PRESENTATION ON AIR POLLUTION

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ENVIRONMENTAL POLLUTION: Nature, is a beautiful creation. It is a divine gift to us by god. The earth with its atmosphere of air, land and water which sustain life is known as biosphere. The biotic and abiotic components of this biosphere interact in a delicately controlled and in an orderly manner to sustain life upon the earth. Any adverse effect of the delicate balance of the biosphere caused by man or so can lead to unfavorable conditions for the well being the survival of mankind. This unfavorable condition may be called pollution of biosphere.

Pollution is addition of foreign matter to the natural environment to a degree which is insupportable by nature. Air, water, and soil are the major component of biosphere, on which human life dependent but with rapid industrialization and urbanization in the name of progress and development, degradation of air, water and soil is now increasing. So the purity of these components to a degree that human life is not adversely affected is our collective responsibility to know about their pollution problems.

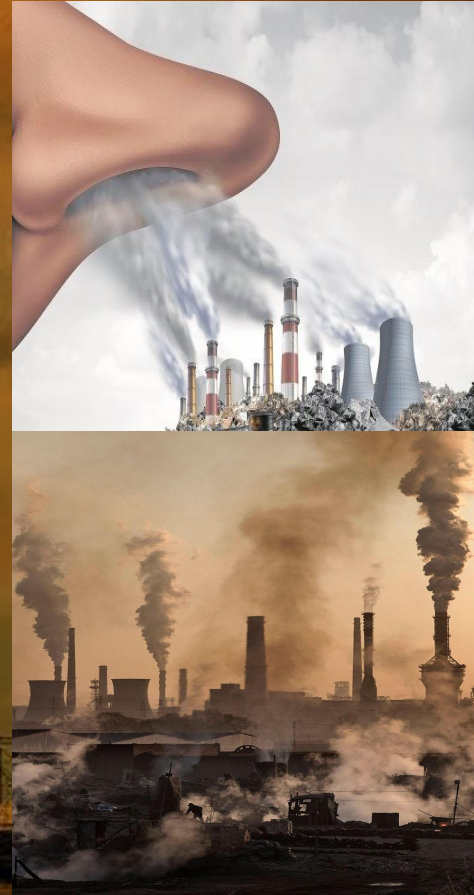


Air Pollution

Air is the most vital component without which the question of survival does not arise beyond a few minutes but due to rapid industrialization the air pollution become a cause of public concern. Air pollution can be define as “the presence of one or several substances in the external atmosphere, introduced by man to such an extent as to effect health and welfare of human system and the life in the atmosphere.”

Sources: Air pollution is being done mainly due to gaseous products from industry, thermal power stations, automobiles combustion processes, fire etc. Some source of air pollution is:

a) Industrial units: fluoride, nitric acid, iron-steel, chloro-alkali, cement, mineral acid plant and industries are most common sources of air pollutants. These emits a variety of pollutants in the atmosphere specially oxides of carbon, nitrogen, and sulphur.



b) Thermal power plants: thermal power plants are a main source of dust, carbon oxide, aldehydes, carbon, hydrocarbon, ash etc. are the common emission of power plants.

c) Automobile: Gasoline used in automobiles as fuel produces carbon-monoxide, hydrocarbons, lead compounds, carbon particles and some carbonyl compounds in the atmosphere. They are the major source of air pollution.

d) Mining: The intensive coal mining's of world also the main cause of air pollution.

e) Other sources: the other sources of air pollution are solid wastes, radio-active natural sources, viable particles, odor pollutants etc.



THE CONSEQUENCE OF AIR POLLUTION

Air pollution is induced by the presence in the atmosphere of toxic substances, mainly produced by human activity in recent years. These gases and chemicals generate a number of phenomena and consequences for the ecosystems and the living beings that populate our planet.

Air pollution affects everyone and all sectors : animals, cultures, cities, forests, aquatic ecosystems... In recent years, we nevertheless interested in two areas in particular, who suffer many adverse consequences of air pollution : the environment and human health.



CONSEQUENCE OF AIR POLLUTION ON ENVIRONMET

The polluted air, floating on the surface of the earth, is carried away by wind and rain. Clouds and high temperatures also help to disperse pollution to reach very great distances from its point of origin.



Air pollution has a major impact on the process of plant evolution by preventing photosynthesis in many cases, with serious consequences on the purification of the air we breathe.

The accumulation of gases in the atmosphere also generates environmental problems with sadly known consequences : acid rain, depletion of the ozone layer, global warming, the greenhouse effect, etc. The concentration of these gases in the atmosphere, mainly dioxide Of carbon, increases on average by 1% per year. This phenomenon is due to the properties of certain gases (carbon dioxide, methane, nitrous oxide, ozone and chlorofluorocarbons) to trap heat from the sun in the atmosphere, preventing it from returning to space after being reflected by Earth.

Air pollution contributes to the formation of acid rain, atmospheric precipitation in the form of rain, frost, snow or fog, which are released during combustion of fossil fuels and transformed by contact with water vapor in the atmosphere. Acid rain affects the amount of chemicals in soils and freshwater, affecting food chains.

CONSEQUENCE OF AIR POLLUTION ON HUMAN HEALTH

Our continued exposure to these air pollutants is responsible for hazards on human health.

In particular, air pollution can cause cardiovascular problems, allergies, asthma attacks, conjunctivitis, bronchial diseases, lung or skin cancers, vision problems, blood Problems in the mental development of the child, among others. The most vulnerable are children, the elderly, pregnant women and the sick.

Thus, some scientists have been able to establish a direct relationship between the increase of polluting particles in cities and the thickening of the internal wall of the arteries or atherosclerosis. Numerous studies have also shown that groups of people living in urban areas with high traffic volumes have more respiratory problems than the average and are more likely to develop disease. Cases of children with bronchitis and slow pulmonary development are much more common in large cities.



SOME WAYS TO MINIMISE AIR POLLUTION

1. Using public transports

Using public transport is a sure short way of contributing to less air pollution as it provides with less gas and energy, even carpools contribute to it. In addition to less release of fuels and gas, using a public transport can also help in saving money.



2. Turn off the lights when not in use

The energy that the lights take also contribute to air pollution, thus less consumption of electricity can save energy. Use energy saving fluorescent lights to help the environment.

3. Recycle and Reuse

The concept of recycle and reuse is not just conserve resources and use them judiciously but also is helpful for air pollution as it helps in reducing pollution emissions. The recycled products also take less power to make other products.



4. No to plastic bags

The use of plastic products could be very harmful to the environment as they take a very long time to decompose, due to their material made up of oil. The use of paper bags instead of plastic bag is better alternative as they decompose easily and are recyclable.



5. Reduction of forest fires and smoking

The collecting of garbage and getting it on fire in dry seasons or dry leaves catching fires is a huge factor for causing air pollution, moreover smoking also causes air pollution and causes the air quality to worsen along with obviously damaging one's health.



6. Use of fans instead of Air Conditioner

The usage of AC's takes a lot of energy and emits a lot of heat which is bad for the environment. AC's also take a lot of power and energy to work as compared to fans.

7. Use filters for chimneys

The gas that is emitted from fireplaces in homes and factories are extremely dangerous for air pollution and harms the air quality severely. The use of filters should be used at least if the consumption couldn't be lessened, this will help to reduce the effect of harmful gases absorbing in the air.



8. Avoid usage of crackers

The use of crackers during festivals and weddings is sadly one of the biggest contributors to air pollution, leading to a layer of smog which is extremely harmful for health. So, practice of no crackers should be implemented.



9. Avoid using of products with chemicals

Products that use the chemicals in their usage or smell strongly, like paints or perfumes should be used less or outside the house. There can also be an alternative to use products with low chemical content and organic properties.



10. Implement Afforestation

Last but not the least, plant and grow as many trees as possible. The practice of planting trees provides a lot of benefits to the environment and helps with the release of oxygen.

