

Environmental pollution.

Environmental pollution is defined as the undesirable alteration in our surroundings, through directly or mainly as the by-products of man's actions, cause changing in the energy patterns, energy levels, physical or chemical constitution and abundance of organisms.

Atmosphere.

Atmosphere is the blanket of gases, composed of different gases with different concentrations. Atmosphere protects our earth's life from the solar radiations, it consists of different layers every layer has its own work in the manner of protection.

Atmospheric Pollution

Atmospheric pollution is the contamination of indoor or outdoor environment by physical, chemical and biological agents that modifies the characteristics of natural environment. Different sources are involved in this process, some are act as a primary or some as a secondary.

Types of pollutants.

Pollutants are present in two types.

Primary: Primary pollutants which comes from the direct sources. There is no changes occur in their physical form. industries pollutants etc emits CO , NO_2 .

Secondary: Secondary pollutants whose change their nature by chemical reaction. H_2O , H_2SO_4

Sources of Atmospheric Pollution.

In atmospheric pollution different sources are involved.

Some of them are enlisted below.

Combustion of fossil fuels:

Combustion of fossil fuels is the main source of atmospheric pollution.

→ Some renewable energy sources like coal, oil releases CO_2 , CO , NO_2 , SO_2 after combustion.

→ Some sources with their contributions

(*) Energy sector: Energy sector release around 35% of these pollutants in which CO , NO_2 involved.

ii- Agriculture → Agriculture contribution is around 25% in the atmospheric pollution.

→ By using the different pesticides sprays are the sources of atmospheric pollution.

iii- Transportation: Vehicles are the type of mobile pollutants which moves place to place and pollute the environment. Contribution of transportation sector in the air pollution is 27%.

iv- Industries - Different industries like paper industry, steel industry are involved in this pollution process. Industries contribute 15% in atmospheric pollution.

Massive Deforestation:

Massive deforestation is the another factor plays a vital role in the air pollution. According to UN, almost 150 million hectares have been cleared for the construction of roads, dams, airport etc. Plantation ^{are} called as Carbon Sinks they absorb the CO_2 and release the oxygen. If deforestation decrease the level of oxygen and increase the concentration of Carbon Dioxide which is harmful for the environment as well as human life.

Population: Increase in population ~~explains~~ is ~~the~~ another source of air pollution.

According to UN census bureau.

In 2018 population was 6 Million and now it has reached to 8 Million, and they claimed that in the future nearly 2025-2030 it will reach to 10 Million. Which is a highly alarming sign for the world.

Use of Electronic appliances.

Electronic appliances play important role in the atmospheric pollution.

Electronic appliances release different pollutants mainly (CFCs) which is highly toxic for the human health, as well as birds etc.

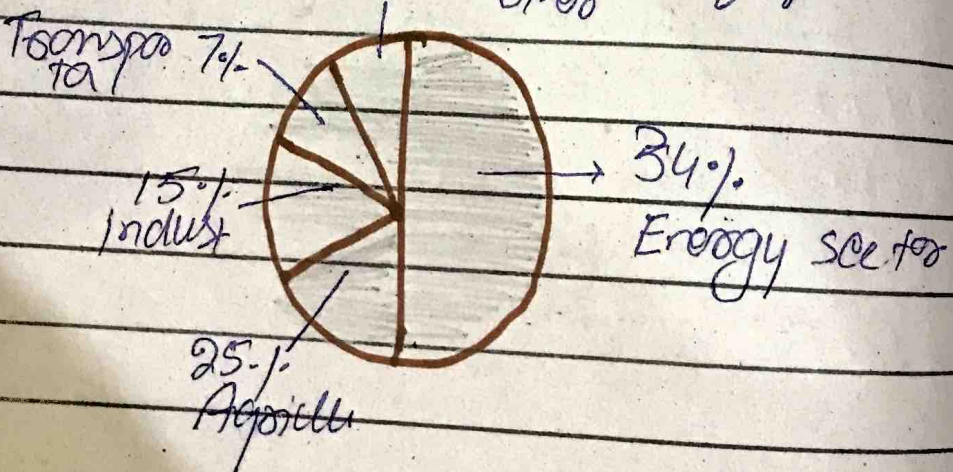
Chlorofluorocarbons release from the refrigerator, home appliances etc. According to IPCC 150 million tons CFCs produced every year.

Weapons:

Use of weapons completely or partially destroyed the original nature of an environment. Weapons testing is the another factor of environmental pollution.

We can see the consequences of World Wars on the environment.

Environment of Afghanistan is another example of pollution.



According to climate scientist
Dr Hanne Joensen:

The use of coal, oil and natural gas to power our world, is having unintended consequences on our environment. We are responsible for the different diseases, extinction of species, environmental pollution. It is imperative that we should take on immediate actions to solve this problem and safeguard our environment for future generations.
