



Environmental Problems and Its Remedy

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Abstract:

Nature is a combination of mutual relations. Nature means the result of interactions among different elements of nature like this never ending universe, the world of stars, the whole earth (this world), this atmosphere, water, the world of living beings, and other so many worlds. The natural environment encompasses all living and non-living things occurring naturally on the Earth or some region thereof. It is an environment that encompasses the interaction of all living species. Environment is total sum of all impressions impacting all the living beings and their development

In modern English usage, the word “environs” is used as a noun to mean “the surrounding area” (Without having once seen the sun shine on the city or its environs). So the “environment” is the things that “environ” us, that encircle or surround us, whether just within a few feet or on the Earth as a whole (air, plants, animals, etc.). Universal natural resources and physical phenomena that lack clear-cut boundaries, such as air, water, and climate, as well as energy are all the parts of the environment. The author wants to convey the ways to stop the various types of pollution via this article.

Keywords: *Earth, Environment, Green house effect, Pollution, Soil*

1. Introduction

The world around human being and can be called the environment. Man's geographical locations, Relief, water, climate, the vegetables, the animal world etc. are included in the environment. In the layers of all these elements, atmosphere, lithosphere, hydrosphere, and the existence of all living beings are the four main spheres. The environment is made of these four spheres.

2. Environmental Pollution

2.1 Air Pollution

There is a kind of balance in the natural forms among the different elements and parts of atmosphere. But because of pollution, changes come in those elements. There are various types of gases and very minute particles in the polluted air. This polluted air gives rise to various diseases. In cities there are very dangerous diseases like cancer, T.B. etc. are the result of this polluted air. If we look at nature, dust, small particles, salt particles of the oceans, small bacteria, gas erupting from the fire, lava coming out after volcanic eruption and meteor shower, bad smell etc. are the causes of air pollution. Some gases like Sulfur Dioxide, Hydrogen, sulfite, carbon monoxide, nitrogen oxide, ammonia, nitrous oxide, hydrocarbon and carbon dioxide, etc. pollute the environment.

2.1.1 How to Check Air Pollution?

Instead of using mineral oil and natural gas in the industries creating poisonous chemicals, the use of hydropower, solar energy, wind energy and biogas should be encouraged. The chimneys

for disposal of poisonous gas and smokes should be higher than 30 meters. The fuel used in the vehicles should be purified properly.

2.2 Water Pollution

The problem of water pollution has become global issue. The polluted water is harmful for the health therefore water pollution is very dangerous for all living beings. The changes in physical qualities of water like taste; colour is pollution in physical form. The chemical pollution is increasing because of uses of pesticides in the industries and agriculture. Poisonous chemicals badly affect the creatures living in water. The viral bacteria live in polluted water. In this way this bio pollution takes place.

2.2.1 How to Stop Water Pollution?

The dirty water of the industries which is full of poisonous chemicals should not be let go into the rivers. The polluted water should be made pure with the help of effluent treatment plant for the purpose of irrigation. $KMNO_4$ and alum should be mixed regularly in the water of well, step wells and the water tanks.

2.3 Soil Pollution

Soil is an important component of the environment. There are various types of organic and inorganic elements in the soil of the earth. From agriculture and from vegetables' point of view, soil is a very crucial part of nature, but when substances mix with soil, soil becomes useless for agriculture because the fertility of soil decreases. Chemicals are used very much for agriculture by farmers in their farm. It also harms land fertility. Destruction of green forests and industrial wastes are responsible for soil pollution.

2.3.1 How to Stop Soil Pollution?

To stop the spread of deserts, more and more trees should be grown. Cutting of forests should be controlled and 'Save Forests' movement should be run. Soil pollution can also be controlled by limited use of fertilizers in farms.

2.4 Noise Pollution

Unwanted and unnecessarily loud noise is harmful for man's health and his work efficiency. The limit of man's capacity to bear the sound is 10 to 12 decibels. If the sound level exceeds more than that limit, it harms man's health and his work efficiency. Noise pollution is spread by the excessive noise made by loud noise on radio, music bands, motor vehicles, and aircrafts. Today noise pollution is a big problem.

2.4.1 How to Stop Noise Pollution?

Government has made some provisions and laws to stop noise pollution. These laws and rules should be obeyed strictly. Noise pollution can be controlled by keeping ban on loud speakers. Noise silencer mechanism should be used in vehicles.

3. Reasons of Pollution

3.1 Green House Effect

Green houses are used in some of the cold European countries. The walls and ceilings are made of glass and polythene. These glass and polythene are made of such a material that short length sun rays can enter through glass or polythene inside the green house but the reflecting sun rays of long length which are very hot cannot pass back through this glass and polythene so the heat is increased inside the green house. Thus green house effect is constantly increasing the temperature of the earth. Thus the green house effect is a problem of high temperature on the

earth because the sun heat is absorbed in the green houses but it does not return back in the atmosphere.

The main reason of green house effect is certain gases which exist in the atmosphere. They are carbon dioxide, methane, chlorofluorocarbons (CFCs), nitrous oxide and water vapour. Green house effect is very harmful for man and other natural resources.

3.2 Holes in the Ozone Layer

The sun light has seven different colors. We can see the sun light directly through our eyes. but the ultra violet sun rays are harmful for all creatures. The layer of Ozone gas absorbs these ultra violet rays in the atmosphere before they can reach on the earth. Thus, this layer is a kind of protection for all living beings on the earth. The proportion of ozone in the atmosphere is sufficient but because of certain chemicals left by man in the environment, the ozone layer has now holes which are a sign of lessening ozone gas from the atmosphere of the earth. This condition is now increasing day by day. It is because of manmade chlorofluorocarbons (CFCs). This chemical is used for refrigeration, air conditioning, medicine and for fire extinguishing. Helium, Nitrous Oxide etc. are also responsible for hole or damage in the layer of the Ozone layer. These holes in the layer are harmful not only from human beings but also for animals and vegetables. In short it is a danger for the environment.

3.2.1 How to control the Damage in the Ozone Layer?

Chemicals other than chlorofluorocarbons (CFCs) which is very poisonous should be used. The gases like helium, nitrous oxide should not be thrown in the atmosphere of the earth. The use of the chemicals should be minimized by the farmers in their farms.

3.3 Snow Melting in the Polar Regions

Because of the fast industrialization, the level of poisonous chemicals is increasing in the atmosphere. It increases the temperature on the earth. This high temperature of the earth is responsible for melting of the snow in the Polar Regions. When the snow of these regions melts the water level in the sea also increases. And the possibility is that in future the coastal areas will be drowned in the sea water. Not only that but also the level of salt in the soil and the ground water will increase because of the saltish water of the sea. It will be very affective and harmful for man and the environment of the earth.

3.3.1 How to Stop the Melting of the Polar Snow?

The snow melting can be controlled in the Polar Regions, if the level of poisonous gases is controlled. More and more trees should be grown. For that, tree plantation programmes can be organized. This way temperature of the earth can be brought down.

3.4 Acid Rain

Generally the acidity of water is measured the pH unit. The pH value of pure rain is 56. When the pH of rain water goes down lower than 56 pH, this rain is called acid rain. The main reason of acid rain is too much of Sulfur Dioxide, Nitrogen Dioxide and chlorine. The acid rain has bad impact on productivity and fertility of the land. It lessens the fertility of the land. The drinking water is also polluted because of acid rain. People become victim of many diseases because of acid rain. This problem occurs when very harmful gases and chemicals are spread because of industrialization.

3.4.1 How to be Safe from Acid Rain?

The problem of acid rain can be prevented by bringing awareness among the people about the problem. The use of pollution free energy sources in the industries and vehicles should be encouraged.

4. Local Problems

4.1 Plate Sliding

When a certain part of the earth slides because of earthquake and volcanic eruption it is called land sliding. It may be the result of all the reasons because of which the destruction or damage takes place in the plates of the earth. It happens when the gas pressure is felt at one place of the earth for a long time. It also happens because of excessive rain, the excavation activity by man in the land and the destruction of the forests.

4.1.1 How to be Safe from Land Sliding?

Land sliding is a natural process but it can be avoided if we keep the environment safe and we do not create disturbance or problems in the depth of the earth.

4.2 Earth Quake

Because of tectonic movements, the rocks also vibrate or feel movements. When these movements and vibrations are very powerful and accidental the surface of the earth and man also feel these vibrations. It is called earthquake. Most of the earthquakes take place because of volcanic eruption. Sometimes the disturbance in the balance of the earth creates the possibility of the earthquake. The other reason is that the water of the surface of the earth reaches deep down in the earth. And the inner part of the earth is very hot. This heat transforms the water into vapour. That vapor creates force toward the upper layer of the earth. It results into earthquake. The earthquake becomes the reason of very large scale destruction in the area. Many people lose their life and the environment is also affected by the earthquake.

4.3 Excessive Rain

The excessive rainfall means more than the necessary rain or too much of rain. When there is excessive rain the land is covered by the rain water everywhere. Even in the rivers, rivulets and in the oceans the water level exceeds. Man's resident areas and habitations, furniture, animals and everything else are carried away with the rain water. The crops in the fields also are destroyed. Excessive rain creates fear and sorrow for the people everywhere. The main reasons of excessive rain are uncertainty of rain, cutting of vegetation, change in the direction of river flow, too much of river mud at the coastal area and man created structures in the rivers.

4.3.1 How to be Safe from the Excessive Rain?

Weather forecasting department should give timely forecast of rain possibility. There should be arrangement for keeping watch on the flood water. The government should take steps to save people from the effect of heavy rain.

4.4 Drought

Drought means lack or absence of rain. It is a very dangerous natural calamity. It is very painful time for farmers. It becomes like a cruel punishment for man, animals, birds, insects and vegetation. If it does not rain for two or three years continuously, the farmers come under big debts. The incidents of crimes like stealing, robbery, murders and violent clashes start taking place.

4.4.1 Strategy against Drought

To cope up with the calamity of drought bridges should be built on the rivers and water should be conserved. Arrangement should be made to conserve the rain water under the ground. More and more trees should be grown for rain. Field ponds and check dams should be prepared for water conservation.

5. Conclusion

Man feels impacts of his environment. Man can live healthy life if the environment is good, if no noise pollution is there and if the atmosphere is clean. Opposite to it if the water is full of wastes and dirt, and if there is too much of Carbon Dioxide, Sulfur Dioxide and man cannot live healthy life. Thus, if man's life depends on the quality of environment, it necessary to take care of our environment and it should be made free from pollution.

The development of any country depends on natural resources of the country. Nature has given its wealth in the form of land, water, forests, minerals etc. but the excessive and unplanned use of these sources may result in scarcity of the same. And that is the reason why many of the countries of the world are now making efforts to solve the problem related with the environment. We should move further in this movement because if our country is healthy the development of the nation will be faster.

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