

Water pollution

Water pollution is the most dangerous and worst form of pollution putting lives in danger. The water we drink daily looks very clear however contains verities of microscopic pollutants floating in it. Our earth is covered with water (almost 70% of total) so a little change in it could affect lives worldwide.

The highest level of water pollution is caused by the pollutants come from agriculture field because of the high use of fertilizers, insecticides, and pesticides to enhance the production of crops. We need to bring vast improvements in the type of chemicals we use in the agriculture. Oil is another big pollutant polluting the water. Leaked oil from the land or rivers, oil transport through ships, ship crashes, etc flows to the sea or ocean and affecting whole water. Other hydrocarbon particles get settled down through rain water from air to ocean or sea water. Other toxic wastes through leakage of landfills, old mines, dumps, sewage, industrial wastes, and farms get mixed to the water.

Water Pollution

Fresh water is the most important source of life on the earth. Any living thing may survive without food for days however it is impossible to imagine life without water and oxygen. The ever increasing human population enhances the demand of more water for purposes like drinking, washing, performing industrial processes, irrigating crops, arranging swimming pools and other water-sports centres. Water pollution is done by the people of all over the world because of increasing demands and competitions of luxuries life. Waste products from many human activities are spoiling the whole water and decreasing the amount of oxygen available in the water. Such pollutants are altering the physical, chemical, thermal, and biological characteristics of the water and adversely affecting the lives inside as well as

outside the water.

When we drink the polluted water, harmful chemicals and other pollutants goes inside our body and deteriorates all the body organs functioning and puts our lives in danger. Such harmful chemicals also disturb the lives of animals and plants greatly. When plants absorb dirty water through their roots, they stop growing and die. Thousands of seabirds are killing because of the oil spilling from ships and industries. High level of water pollution is done due to the chemicals coming out of the agricultural usage of fertilizers, insecticides and pesticides. The effect of water pollution varies from place to place upon the type and amount of water contamination. The degradation of drinking water needs an urgent basis prevention method which is possible by the proper understanding and support from the end of each and every person living on the earth.

Air Pollution

Air pollution is a most serious problem of the current time all over the world especially in the large cities because of the huge level of industrialization. The release of such air pollutants in heavy concentrations such as smog, particulates, solid materials, etc are getting settled over the city, causing air pollution and health hazards to the people. Lots of dirty wastes produced by people on daily basis especially in the big cities polluting the whole atmospheric air to a great extent.

The release of gaseous pollutants from burning fuel of motor vehicles, industrial processes, burning of garbage, etc are contributing to the air pollution. Some natural pollutants like pollen, dust, soil particles, natural gases, etc are also the source of air pollution.

What is Global Warming?

Global warming is the gradual increase of the temperature of earth's atmosphere and oceans.

Over the past century the average temperatures have gone up by just over one degree. This may not seem like much; but many scientists agree that the earth's temperatures are starting to increase at a faster rate.

What Causes It?

Global warming occurs when greenhouse gases, such as carbon dioxide, nitrous oxide, and methane trap heat inside the earth's atmosphere.

Think about what happens when you open your car door after the windows have been rolled up on a hot day. Heat from the sun enters the car, but the frame of the car prevents it from escaping.

To a small extent, this is a representation of what happens during global warming. Burning fossil fuels like petroleum and deforestation both contribute to the problem.

What Effects does Climate Change Have on the Earth and its Inhabitants?

Global warming has already started to affect the earth in several ways.

Arctic glaciers have begun to melt, threatening indigenous life such as the polar bears. Melting glaciers also cause sea levels to rise. This could become a problem for low land areas like the ones in the South Sea Islands.

Ocean temperatures have begun to rise. This causes some of the algae to die which can affect the entire food chain.

Climate Change

Nowadays the Earth is facing numerous problems. They are social, political, economic and environmental. There are problems the mankind can deal with; there are some which are out of our control. The problems with the environment are of such type. The environment pollution and the climate changes are responsible for the abnormal things which are happening on the planet, namely violent storms in the regions which have never witnessed ones, floods of the lands which have always been droughty, snowfalls in the deserts. The wild weather is explained in many ways. Global warming is considered to be one of the reasons. So the question we need to answer is whether it really causes the incidents of unusual violent weather patterns.

Air Pollution

Environmental pollution is the key concern for the humanity. It does not have any borders – each member of our planet is affected by its devastating effects. Air pollution is the main factor contributing to general environmental problems. It is the emission of particulates, harmful materials, and biological molecules into the Earth's atmosphere and is caused by both human and natural factors. Nevertheless, the effects of air pollution are shocking. It causes numerous diseases in human organisms, animals, natural crops, ruins the balance of the environmental system, and even causes deaths. Air pollution is the largest environmental pollution risk factor. According to the research of WHO, seven million people around the world died because of the air contamination effects in 2012. This number is horrifying and calls for the extreme response. The decrease of the polluted air will help saving millions of lives. Its effects need to be discussed on a constant basis to implement the relevant prevention measures and minimize the negative.

The major concern associated with polluted air is its destructive health effects. It contributes largely to heart diseases, respiratory infections, lung cancer, stroke, and chronic obstructive pulmonary disease. The most deaths

caused by air pollution happen as a result of ischaemic heart disease and stroke. The results of a research suggest that there is a correlation between the increased number of cardiovascular disease result deaths and the increasing levels of pollution in recent years. Studies also show that in urban areas people suffer more from mucus hypersecretion, lower levels of lung function, chronic bronchitis and emphysema. The studies also detected the relation between the air pollution and cancer. The long-term exposure to PM2.5 (fine particulates) increases the mortality from lung cancer and cardiovascular mortality rates. In addition, Danish studies reported that there is an evidence of relation to the air pollution to the other than lung types of cancer, like cervical cancer and brain cancer. The negative effect on human health also affects the central nervous system. The studies confirmed that an early exposure of children to the high levels of air pollution have the same negative effects on the central nervous system as autism spectrum disorder and schizophrenia.

Saving Trees

Trees give us life and are really very important for the survival on the earth. Many people are dependent on the tree for their survival economically for example paper industries, rubber industries, match industries, etc are totally dependent on trees. The main role of trees is giving fresh and oxygenated air to us and consumption of CO₂ however they also give protection, shadow, food, source of money, home, medicines, etc to the people.

Trees are the source of rain on the earth as they attract clouds which ultimately bring rain. They also help in checking soil erosion and keep environment fresh by preventing from pollution. They are the home of wild animals and source of wild life in forests. Trees are very helpful and useful friends of humanity. They clean soil by filtering sewage and chemicals, control noise pollution, air pollution, reduce flash flooding, etc. By seeing the importance and value of trees in our life, we should honour and save trees in order to save life and environment.

Deforestation

Deforestation is the removal of forests on a big level by cutting down plants or burning of forests for fulfilling the personal needs. Forests are of great importance for the whole human fraternity as well as managing the natural balance in the environment. However, human beings are regularly cutting down the trees without seeing its side effects on the society and environment. Woods have been of great importance historically from the ancient time and used for many purposes like heating fuel, building houses, ships, paper production and many more daily activities of the human beings. Forests are very necessary for us and our future generations to enjoy and live a healthy and peaceful life in the healthy environment free of pollution.

Deforestation

Deforestation is the removal of trees on a vast level for fulfilling all the requirements of the growing population. Humans being are so selfish; they are doing deforestation by completely removing the forests without replanting. However, they do not know that unknowingly they are digging a big pit for their own. People are changing the forests into the land forms for getting more wood, fuel, harvesting, making farms, building home and cities to live comfortably.

Deforestation results in many effects like loss of animal home, animals are dying, environment change, seasonal change, increasing temperature, rising environmental heat, global warming, increasing green house gas effect, melting ice caps and glaciers, increasing seas level, weakening ozone layer, hole in the ozone layer, sea animal dying, increasing risks of natural disaster like storm, cyclone, typhoon, flood, drought, and many more negative changes which are enough to last the existence of life on the earth.

Forests plays great role in balancing the human life and environmental cycle by regulating the water cycle, production of soil, providing habitat for animals, providing oxygen, utilizing harmful CO₂, regulating environmental temperature, preventing soil erosion and many more. By cutting the forests we are stopping all the positive activities done by forests in the favour of