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ABSTRACT:

This paper provides the insight view about the pollution and global warming affecting the environmental health, diseases caused for human beings due to pollution. Finally the measures to control pollution and global warming, to maintain ecological balance.

KEY WORDS:

Ecological disturbances, pollution, greenhouse effect, global warming, industrial revolution, controlling methods, alternative energy, societal awareness.

INTRODUCTION:

Environmental hazards are the main that affect health or the ecological balance essential to human health and essential quality. "Environmental health" deals with those aspects of human health, including quality of life. Environmental hazards are mainly caused because of pollution and global warming. Introduction of contaminants into the natural environment that causes adverse change in the environment is called "pollution", which is one of the main causes for global warming. Due to the increase in earth's average temperature caused by the presence of green house gasses in the atmosphere which causes change in climate pattern across the globe is called "global warming". These are explained in detail below.

Environmental health:

Environmental health comprises those aspects of human health, including quality of life, that are determined by physical, biological, social and psychological factors in the environment. It also refers to the theory and practice of assuming, correcting and preventing those factors in the environment that can potentially affect adversely the health of present and future generations.

FACETS OF ENVIRONMENTAL HEALTH:

Environmental epidemiology:

association between exposure to environmental agents and subsequent development of disease is called environmental epidemiology.

Environmental toxicology:

Casual mechanism between exposure and subsequent developments of disease is called environmental toxicity.

Environmental engineering:

Factors that govern and reduce exposure and take some actions regarding for the decrease of hazards is called environmental engineering.

Preventive medicine:

Factors that govern and reduce disease development is called preventive medicine.

Law:

Development of appropriate legislation to protect public health is called law.

Pollution:

In general we know only 4 types of pollution which affect the environment. Those are air pollution, water pollution, sound pollution, soil pollution. But there are so many other types of pollution which effecting the environment those are..

1. littering pollution
2. light pollution
3. thermal pollution
4. radioactive pollution
5. visual pollution
6. waste pollution
7. Plastic pollution

Air pollution:

Releasing of harmful gases such as CO, SO₂, CH₄, NO into the atmosphere cause air pollution.

Water pollution:

Discharge of commercial and industrial waste into the water causes water pollution.

Sound pollution:

This pollution is mainly caused due to industrial noise, road way noise and aircrafts.

Soil pollution:

It is caused by the presence of xenobiotic chemicals or other alteration in natural soil environment.

Littering pollution:

Littering pollution is due to inappropriate manmade objects using criminal theory.

Light pollution:

It includes light trespass, over illumination in atmosphere.

Thermal pollution:

Due to the temperature change by waste body caused by human influences, such as use of water as coolant in power plant.

It is due to the presence of scared land form, open storage of trash municipal solid waste, presence of over head power plant.

Waste pollution:

Pollution due to the untreated domestic sewage, discharge of water, water from the commercial and industrial waste, agricultural runoff, waste disposal and leaching.

Plastic pollution

Due to the presence of plastic products in the environment which effect the wild life and humans.

Chemicals in environment:

Roughly 70,000 different synthesis chemicals are on the global market many other are emitted as by-products of their products, use or disposal.

products if synthetic organic chemicals (eg: dyes,plastic) has increased from less than 0.15 billion kilograms to more than 150 billion kilograms.

Diseases caused to human beings due to pollution:

WHO estimates that about a quarter of diseases facing mankind today occurs due to prolonged exposure to environmental pollution most of these diseases are however not easily detected and may be acquired during childhood and manifested later in adulthood

How to control pollution?

1. Don't burn plastics
2. Plant more trees
3. Use solar power cells
4. Use unleaded gasoline in your cars
5. Industries should strictly follow applicable government regulations on pollution control
6. And finally "reduce", "reuse" and "recycle".

GLOBAL WARMING:

Global warming is well recognized by scientists around the world as an urgent public health and environmental concern. Global warming is mainly caused due to the consumption of fossil fuels, increased levels of green house gasses like co2, chloro-fluoro carbons etc in the atmosphere are causing higher global temperatures are causes adverse environmental, air quality and public health

According to 2007 repure of climate change by inter governmental panel on climate (Ipcc), global temperature has rise by 1.3F over past century and are likely to rise between 2 and 11.5F by the year 2100.global warming has observed to contribute to poor air quality and rising sea level,melting glaciers, strong storm,more intensive and longer, droughts, more frequent heat waves ,wild fires, and other threats to human health

HOW TO CONTROL GLOBAL WARMING?

1. Reduce, reuse, and recycle.
2. Use C2S in air conditioners in the place of CFC.
3. Save the world by changing a light bulb.
4. Encourage others to recycle or get involved.
5. Avoid high gas prices and carbon emission.

CONCLUSION:

Global warming is a natural cycle, just like ice age we are speeding up a bit,but that only matters to us. Several measures have been adopted, suggested imposed in industries, in agriculture and urban dwelling to control pollution which cause global warming.By keeping all these effects in mind we have to protect our environment.

The main role of an engineer is to apply science to optimum conservation to solve the problem and to increase the natural benefit of man.

A small effort made by each individual at his own place will have pronounced effect at the global level it is aptly said, "Think globally, and act locally."

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