

Global Environmental Problems

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Global Environmental Problems

- Environmental health issues are major risk factors in the global burden of disease.
- The WHO has estimated that between 25 and 33 percent of the global burden of disease can be attributed to environmental risk factors.
- The burden of preventable environmental diseases are disproportionately felt by residents of poor developing countries.
- The reasons for this disproportionate effect in poor countries include: lack of modern technology, weak protective environmental laws and regulations, a lack of awareness, and poverty.
- When the sun's rays come and pass through the atmosphere and then penetrate the layer of gases caused by human activities, but it is supposed to return to exit outside the atmosphere, but can not cross completely because of the presence of that layer of pollutant gases, which leads to warming the atmosphere surrounding the Earth (These rays are full of thermal energy).

Global Warming:

But why global warming is bad
Because many organisms cannot adapt to the new temperatures caused by global warming, as they used to live in certain conditions, threatening the extinction of these organisms.

- ✓ Climate changes like global warming is the result of human practices like emission of Greenhouse gases.
- ✓ Global warming leads to rising temperatures of the oceans and the earth' surface causing:
 1. melting of polar ice caps
 2. rise in sea levels and also
 3. unnatural patterns of rain such as flash floods, excessive snow or desertification in other areas.



Global Warming:

- ✓ These gases possess heat trapping capacity that are needed to create greenhouse effect so that this planet remains warm for people to survive.
- ✓ During past several decades, the accumulation of greenhouse gases have grown rapidly, which means more heat gets trapped in the atmosphere and few of these gases escapes back into the space.
- ✓ These gases heat up the earth's surface and this results in global warming. According to Environmental Protection Agency (EPA) reports, the earth's temperature has increased by 0.8 degrees Celsius over the past century
- ✓ As we know that when the planet warms, this will lead to the melting of the snow in the poles and thus the rise in water levels in the seas thus, the coastal cities and islands in the middle of the seas and oceans will sink 😞

Overpopulation:

The most natural resource consumed when population increases is water and then food

- The population of the planet is reaching unsustainable levels as it faces shortage of resources like water, fuel and food.
- Population explosion in less developed and developing countries is straining the already scarce resources.
- Intensive agriculture practiced to produce food damages the environment through use of chemical fertilizer, pesticides and insecticides.
- Increasing the population leads to an increase in consumption of natural resources and to keep up with this increase humans cut forests to provide agricultural areas and for the establishment of residential communities, which leads to the destruction of the habitat of many organisms living in those forests

Natural Resource Depletion:

The greater the number of people, the greater their consumption of natural resources, so we must begin to search for alternative sources of energy are not inaccessible, such as solar energy, wind and water currents
Internal heat

- ✓ Fossil fuel over-consumption results in emission of Greenhouse gases, which is responsible for global warming and climate change.
- ✓ Globally, people are taking efforts to shift to renewable sources of energy like solar, wind, biogas and geothermal energy.
- ✓ The cost of installing the infrastructure and maintaining these sources has decreased in recent years.

Waste Disposal: The more people, the more their waste

- ✓ The over consumption of resources and creation of plastics are creating a global crisis of waste disposal.
- ✓ Developed countries are notorious for producing an excessive amount of waste or garbage and dumping their waste in the oceans and in less developed countries.
- ✓ Nuclear waste disposal has tremendous health hazards associated with it. Plastics, fast food packaging, and cheap electronic wastes threaten the well being of humans.

Climate Change: Climate Change:

It occurs due to rise in global warming which occurs due to increase in temperature of the atmosphere by burning of fossil fuels and release of harmful gases by industries.

- Climate change has various harmful effects but not limited to:
 - ✓ melting of polar ice
 - ✓ change in seasons
 - ✓ occurrence of new diseases
 - ✓ frequent occurrence of floods and
 - ✓ change in overall weather scenario.

Loss of Biodiversity:

If the mice feed on herbs in the fields and these mice are good food for snakes, the falcons come and eat those snakes (this is what we call the food chain) Hey what if the human intervention and sprayed the fields with pesticides a number of mice die, and the number of snakes decreases and die a large number of falcons die and so the environmental balance is disturbed .

Human activity is leading to the extinction of species and habitats and loss of bio-diversity.

- Eco systems, which took millions of years to perfect, are in danger when any species population is being destroyed.
- Balance of natural processes like pollination is crucial to the survival of the eco-system and human activity threatens this balance.
- An example is the destruction of **coral reefs** in the various oceans, which support the rich marine life.

Deforestation: Destruction of forests

Forests are natural sinks of carbon dioxide and produce fresh oxygen as well as helps in regulating temperature and rainfall.

- At present forests cover 30% of the land but every year tree cover is lost amounting to the country of Panama due to growing population demand for more food, shelter and cloth.
- Deforestation simply means clearing of green cover and make that land available for residential, industrial or commercial purpose.
- Forests are the lungs of the earth and are the source of oxygen and are home to many wild animals.

Ozone Layer Depletion:

The ozone layer is an invisible layer of protection around the planet that protects us from the sun's harmful UV rays.

- Depletion of the crucial Ozone layer of the atmosphere is attributed to pollution caused by Chloro-fluoro carbons (CFC's).
- Once these toxic gases reach the upper atmosphere, they cause a hole in the ozone layer, the biggest of which is above the Antarctic (the south pole).
- The CFC's are banned in many industries and consumer products.

Urban Sprawl:

Urban sprawl refers to migration of population from high density urban areas to low density rural areas which results in spreading of city over more and more rural land.

- Urban sprawl results in land degradation, increased traffic, environmental issues and health issues.
- The ever growing demand of land displaces natural environment consisting of flora and fauna (plants and animals) instead of being replaced.



For our future generations
Do everything to help the
environment don't print these
slides
Don't smooook

- Mr Trump is trying to deny the problem of global warming (شو شرير)
- Done by Zala raed
- (Maria)

