

Effects of Global Warming and Climate Change

Raha Sardari, TIS (girls), raha.sardari1383@gmail.com

Global warming refers to climate change that causes a drastic increase in the average Earth's temperature which can make numerous irrecoverable obstacles for the Earth. Climate change describes shifts in the Earth's weather patterns, which affect such factors as temperature, humidity, wind, cloud cover, and precipitation levels. Nevertheless, Global warming refers to an increase in the Earth's average surface temperatures caused by human activities, primarily the burning of fossil fuels. Therefore, both might have different meanings but can have a noticeable impact on each other.

Global warming is continually altering the Earth's temperature more and more. One natural cause for this phenomenon is greenhouse gases (GHGs), which consist of Carbon dioxide, Sulphur dioxide, methane, etc. GHGs can trap heat in Earth's atmosphere and can dramatically rise the temperature of the Earth. However, at night when there is no source of heat (the sun), the Earth's surface cools and releases the heat back into the air. Unfortunately, not all the heat gets back into the air, some of the heat is still trapped by the greenhouse gasses in the atmosphere. When this cycle goes on and on, a huge amount of gas can get trapped by GHGs which can significantly increase the temperature. When the temperature rises, myriads of species and places on the earth can noticeably get damaged. For instance, greenhouse gases are melting glaciers located at the north pole which is the house of polar bears and many other species. As a result of this, the north pole ecosystem can undoubtedly get destroyed.

Global warming can impact human life even more than animals. The main obstacle that global warming can make for human beings is the effect of agriculture since it depends on an individual's source of food. With the temperature rise, plants find it harder to survive and eventually die. Therefore, a food shortage may occur which can lead to war, conflicts, and numerous impediments for most countries. However, this killing heat can significantly

damage seasons too. Longer and shorter seasons are getting more visible each year. Researchers illustrate that spring is happening 10 days sooner than normal which can be enjoyable for humans but can cause flooding from reservoirs filling too soon, and droughts where there's not enough precipitation to provide adequate nourishment for crops. Moreover, winter and fall are getting noticeably shorter which can hugely affect different species' life.

Most of the impediments that nature is dealing with because of global warming, started from humans. Since human evolution, the earth has been altering for many years now and it is still changing because of the novel lifestyle. Human such as deforestation is undoubtedly damaging mother earth. Deforestation happens when a country or city is dealing with overpopulation and a lack of space. Therefore, in order to build new houses and novel factories, they start cutting myriads of trees. Trees are extremely crucial for the environment since they are the main source of oxygen. Nevertheless, when deforestation occurs, the carbon stored by trees is released back into the atmosphere as carbon dioxide, which contributes to climate change. Keep in mind that, carbon dioxide is extremely toxic and hazardous which can lead to pollution in big cities.

Another harmful action that humans are continually doing is burning fossil fuels. Fossil fuels such as coal, oil, and, gas are made from the decomposition of buried carbon-based organisms that died millions of years ago and by burning them you can gain a huge amount of energy. Moreover, humans use them to make plastics, steel, and a huge range of products. When fossil fuels are burned, they release large amounts of carbon dioxide, a greenhouse gas, into the air. As we talked about it, greenhouse gases can trap heat in the atmosphere, causing global warming and many irrecoverable obstacles for humans and different species. Therefore, because of the numerous usage of fossil fuels by authorities for different purposes, global warming is dramatically increasing since with burning these fuels greenhouse gases get into the air and significantly raise the Earth's temperature.

Human actions are not going to end here, in fact, the next action is again related to fossil fuels. Mining of minerals is the extraction or removal of minerals and metals from the Earth. Various types of minerals can get extracted, such as gold, diamond, iron ore, silver, copper, etc. However, in order to extract these minerals, large chunks of the earth have to be removed by heavy and special

machinery. Moreover, these huge machines need a source of fuel, which is fossil fuels. Therefore, these types of machinery release carbon dioxide and other toxic pollutants, such as carbon monoxide, which contribute to global warming. Nonetheless, this is not the only obstacle we have in the mining of minerals. In order to separate desired minerals from ore, a huge source of water should be used which most counties are running out of water because of a lack of showers. Therefore, with the usage of water for unnecessary actions, there wouldn't be enough water for agriculture and drinking.

Global warming is not the only problem Earth is enduring right now, climate change is also another reason for numerous changes on mother earth. The Earth's climate has always altered and evolved through the years. Some of these changes have been due to natural causes such as volcanic eruptions, floods, forest fires, etc., although quite a few of them are due to human activities. These activities are the same as global warming, such as deforestation, burning fossil fuels, and farming livestock. Therefore, because of these activities, the earth's weather can noticeably experience myriads of changes. If climate change continues similarly then it undoubtedly impacts all forms of life on the Earth. The earth's temperature will significantly increase, sea levels will rise, and storms, volcanic eruptions, and natural disasters will occur frequently. The biological and ecological balance of the earth will get disturbed. The environment will get polluted, and humans will not be able to get fresh air to breathe and fresh water to drink.

The closest phenomenon that is going to happen because of climate change is the rise of sea levels. Because of global warming, the ice sheets are melting faster than before, and this can add extra water to seas and oceans. Moreover, this incident would affect unprotected areas since after the rise of water these places can get noticeable damage. If sea levels continually rise, soon humans lose many crucial things such as agriculture and the extent of many species.

Everything is getting worst for the Earth; climate change and global warming are damaging the only place humans can live. If humans don't stop using fossil fuels and prevent deforestation and many other phenomena that can lead to global warming and climate change, mother earth would undoubtedly be destroyed and there wouldn't be any home for the next generation, so are the humans able to save the Earth before any enormous disaster?

References

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