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Article Review

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The article discusses how unsustainable energy sources that the human relies on causes catastrophic damage to the environment. The usage of non-renewable sources of energy such as coal has contributed to global warming and exhaustion of natural resources. The global warming effect and scarce natural resources have in turn led to the extinction of certain species and the other remaining species fight to survive.

Human encroachment practices have led to the rise of global warming over the years. Statistics indicate that August 2016 was categorized to be the warmest August as compared to other Augusts since 1880. Climate change is attributing to significant variations in the sea level, the ice caps melting and stronger hurricanes. The climate change is continually affecting some delicate plant and animal species. Human activities like the burning of charcoal leads to the introduction of excess carbon dioxide in the atmosphere. According to climate statistics, the highest amount of carbon dioxide is because of human burning fuel. Currently, carbon dioxide has covered 400 parts per million of the atmosphere. Scientist indicates that the atmosphere can only tolerate 450 parts per million of carbon dioxide before the world experiences drastic changes in the climate patterns. Therefore, this suggests that the world is already in its danger zone and climate mitigation factors need to be considered before the atmosphere reaches a climax in tolerating carbon dioxide.

The rising of sea level and melting of the ice caps is another manifestation of the effects of climates change. The land's surface constitutes of carbon dioxide, which is released during melting. The melting of ice also contributes to the formation of underground lakes, home to most microbes. The microbes attribute to the introduction of carbon dioxide in the atmosphere. The bacteria consume partially melted organic materials and release methane, which is released in the atmosphere. Methane gas creates a trapping effect, therefore, causing CO₂ to persist in the

atmosphere before clearing out. The melting ice causes the rising sea level. Research indicates that by the year 2100 the sea level will have risen from one to three feet. The rise of the sea level will primarily affect the people living near the oceans for example Miami.

Some human activities also cause ocean acidification. The excess carbon dioxide in the atmosphere is absorbed by the oceans causing acidic waters. Scientists indicate that the sea is 30 times acidic than it was during the non-industrial time. Acidic waters attribute to death of sea animals and plants. The end of the sea species also cuts down the source of food for humans. As the ocean continue to acidify, more species will be extinct, which means humans will lose a source of food especially those living in the coastal region.

The use of non-renewable sources of energy does not only affect the atmosphere but also the humans themselves. In the US, most of the electricity is generated by burning coal. Coal ash produced as waste has detrimental effects since it contains heavy metals like mercury and cadmium. The heavy material is deposited in sewage water, ponds and underground water that are not controlled by EPA. The water can leach and contaminate water in lakes that are used by people. The accumulation of heavy metals in human's body can lead to diseases like cancer.

The author of the article offers strategies that can help people reduce climate change through global warming. The author advises people to opt for home appliances that are energy efficient. This will reduce the need for a country to produce an excess amount of energy, therefore, reducing toxic gas emissions. Also, the article indicates that behavior change is essential in saving energy. Individuals can train themselves to switch off unrequired appliances and bulbs.

In conclusion, changing the adverse side effect of climate change can be adopted all over the world. Instead of using fuel with adverse side effects, the article advises that people can

switch to renewable energy like geothermal power and solar power. In using renewable energy, the atmosphere will be able to reduce the amount of carbon dioxide to the required amount. The ocean will also reduce the level of acidity creating a conducive environment for plant and animal species.

Reference

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