

As maybe increase in
temperature
(becomes hot



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As our population increases approaching 7 billion, the results of human actions towards the ecosystem are measureless. Many human activities have affected the ecosystem. Some of the impacts on the ecosystem are climate change, genetic modification, habitat destruction and ozone depletion.

Climate Change. Climate change is one of the major impacts. The earth's climate always rises and falls over time as for many factors. However, according to the US Environmental Protection Agency, human acts are the main reason for an increase in temperature around the globe.

Human acts have led to climate changes by giving rise to changes in the atmosphere through greenhouse gases, aerosols, and cloudiness. The massive reason for climate change comes from fossil fuel burning which releases carbon dioxide to the earth's atmosphere. Greenhouse gases have affected the weather pattern by modifying the incoming solar radiation and outgoing infrared radiation. The changes in the weather pattern have caused changes in the climate.

As a result, the climate changes may increase in temperature (become hot) or decrease in temperature (become cool).

Genetic modification. The main purpose of genetic modified organisms especially in plants is to enlarge the harvest so that it can provide sufficient food for a huge population. Furthermore, modified plants have a good quality to become resistant towards disease and parasites. By becoming resistant toward disease and parasites, a huge number of plants can be saved from being died. It also can live in extreme temperatures and grow vigorously even with less water.

Habitat Destruction.

Habitat destruction caused by the human acts has affected many species and ecosystem. Two example of habitat destruction is deforestation and desertification. Deforestation takes place when a forest or stand of trees were cut off, transforming the land to a wasteland. This action causes the ecosystem to be altered drastically and obvious loss of biodiversity. Deforestation is an outcome of timber harvesting or clearing land for agricultural, commercial or residential use. The loss of biodiversity and trees have made a difference to the ecosystem. Deforestation can lead into climate change and extinction and indirectly causing desertification to occur. Desertification is the degradation of land quality and features low biodiversity, dry conditions and poor soil quality.

Deserts is caused by both natural processes and human activities. However, nowadays the deforestation caused by human activities is higher than that that is caused by natural processes. Ozone Depletion. The ozone layer has its ability to absorb harmful UV rays that would be injurious to all the living things on the earth. Without an ozone layer, it will be difficult for the living things to live as usual in a very hot climate.

Ozone is made up of three bonded oxygen's. Ozone absorbs UV radiation and protect all living things. However some ozone-depleting substances which is made up of chlorine and bromine ruin the capability of ozone to absorb UV light. As a result, plants that are sensitive to UV light cannot grow vigorously because of extreme temperature whereas human may be affected by many disease especially skin cancer. According to certain facts, although most chemicals that deplete the ozone layer have been banned, the chemicals that have already been released can take upwards of 80 years to <https://assignbuster.com/as-maybe-increase-in-temperature-becomes-hot/>

reach the upper atmosphere, so it will be some time before our protective boundary will be fully functional again.