

So far this essay has discussed the causes of climate change. Now, it will also analyse some effects of climate change.

Climate change is a global crisis, greatly affecting the earth's environment. One of the most visible consequences of climate change is an increase in the intensity and frequency of extreme weather events. The National Climate Change Assessment finds that the number of heat waves, heavy downpours and major hurricanes have increased in the United States. Due to severe heat waves, the global earth temperature is consistently increasing. According to IPCC, since the pre-industrial era, earth's average temperature has increased about 1.3 to 1.4°C. Furthermore, the last decade, 2015-2024, was the warmest on record. As a result, glaciers and polar ice caps are melting. This melting leads to floods, tropical storms and droughts. For instance, in Pakistan, the 2022 flood has affected and submerged one-third of the country and displaced around 85,000 people. Apart from human beings, climate change has also greatly affected the

the biodiversity life. Hence, climate change is a major global threat to environment.

Apart from environmental effects, the changes in climates has posed some serious threats to social and health. This includes climate migration, water and food insecurity and health problems. Climate migration occurs mainly due to floods, droughts and cyclones. For instance, in Bangladesh millions of people migrated to Dhaka because of floods and loss of farmland. The World Bank has estimated that climate change could force 216 million people to move within their countries. Furthermore, climate change is profoundly impacting human health. Rising temperature cause more heatwaves which can lead to heatstroke and dehydration. As a result, children and older people are at high risk. Moreover, floods and storms can cause injuries and deaths by displacing masses. It also pollutes water, which spreads diseases like diarrhea, malaria and other vector-borne illness. Climate change also cause malnutrition and weakens immune system by destroying crops and fields. It can also cause mental health problems.

including stress, depression and anxiety by destroying people's houses, farmlands and offices. Hence climate change is a major global threat which can seriously affect human ~~health~~ health physically and mentally.

Moving forward, climate change has greatly affected the world economy by destroying crops, fields and infrastructure. Both developed and developing countries bearing the brunt of it. They spend billions of dollars for repairing and rebuilding after each disaster. Economists estimate that climate change will cost the global economy trillions of dollars annually if nothing is done to reduce the emissions. Whenever floods and droughts occur, resultant prices increase. Due to this low-income individual lives from hand to mouth. As a result overall GDP of any state decreases. As taking the example of Pakistan into consideration, the World Bank estimates that climate change could shrink country's GDP by 18-20% by 2050. Hence, climate change is a major threat to global economy special for developing countries like

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## Pakistan.

Lastly, climate change worsen political tension, resource scarcity, and human displacement which poses serious threats to national and international security. threat- The key challenges include: conflicts over water and food, massive migration, increased state fragility and heightened risks of violent non-states. The destruction of water, food and energy supplies fuels the tensions in vulnerable regions like the Horn of Africa, Middle East and South Asia. For instance, the droughts have reduced the river flow in Sindh and Balochistan. It caused disputes among farmers over irrigation and ground water. Furthermore, extreme weather events cause forced migration which ultimately creates regional instability and political tensions. The 2015 European crisis was evident of it. As a results, such states lack strong governance and disaster management making it difficult to handle climate shocks. These fragile condition allow violent extremist organization to exploit displaced population, and to create unrest

Although, there are many consequences of climate change but it can be curbed by taking some remedial measures.

Climate change can be mitigated by taking some practical measures at the local, national and global level. At local level, individuals can reduce effects of climate change by transferring to renewable energy like wind, hydro and solar. and by planting trees. Society can also play vital role in this regard by organizing seminar and awareness programme to reduce carbon emission. Government should also take proactive measure like making dams to overcome floods and protecting forests and natural resources. For instance Denmark is producing half of electricity through wind. Lastly, the developed countries should focus and p. for combat climate change and take effective steps in conferences of Parties (COP). Hence, collective effort can play crucial role to overcome this social issue and to ensure bright future.

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In conclusion, Climate change is a major global threat of this century, which is mainly caused by human activities. It is affecting all the species and making their lives harder. Its main causes include emission of harmful gases from factories, vehicles and livestock. As a result, heat is trapped and earth temperature is rising annually. Furthermore, cutting of trees for the betterment of human being is affecting the environment. As a result, all species are bearing brunt of this social evil in terms of health, households and scarcity of foods. The picture of climate change seems to paint a bleak future for mankind, however it is false impression. By acting out suggest remedies mankind can surely overcome climate change and reduce its negative effects for the better future of coming generations. It is never too late to pledge for a new change to create a tomorrow. Where there is will there is always ways, regardless of the obstacles and hindrances it can be mitigated.