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Noa Essay Mock

The environment has gone beyond tipping point now.

Outline.

1. Introduction

Thesis statement: The environment has surpassed the tipping point due to unsustainable human activities and irresponsible attitude of world leaders. Comprehensive global actions are required to rectify course towards sustainable future.

2. How environmental crisis has surpassed the tipping point.

a) World has entered an era of global boiling.

b) Antarctic sea ice cover reaches record low

c) Devastating floods are happening across the globe.

d) Atmosphere is becoming increasingly poisonous due to pollution.

e) Biodiversity loss is happening at an alarming rate.

f) Snowless winters are becoming rampant.

3. Factors responsible for environmental crisis.

a) Geopolitical challenges for global climate negotiations.

b) Climate injustice is at heart of climate crisis.

c) Carbon neutrality is becoming a dream.

d) Urbanization is turning cities into concrete jungles.

e) Food systems and unsustainable agriculture practices are degrading environment.

4. Urgent actions are required for sustainable future.

a) Time for world leaders to deliver at climate summits.

b) Grow and green the financial pie.

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c) Plan for net zero future

d) Invest in smart cities to pave way for urban innovation.

5. Conclusion.

Essay.

If Indus had a voice, it would say '

I have given you a birth of civilisation, homes, jobs and inspiration. Yet, in return, I don't get enough water and ^{is} suffocated by pollution.'

The plight of Indus mirrors the broader environment crisis, symbolizing how humanity has pushed the environment beyond the tipping point. Now floods are becoming rampant, antarctic sea ice has reached record low and ~~world is~~ atmosphere is becoming increasingly poisonous. The world has entered an era of global boiling where snowless winters are a new common and biodiversity loss is happening at alarming rate. Human activities

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are responsible for jeopardizing the environment. Geopolitical challenges and climate injustice are at heart of climate crisis. Carbon neutrality is becoming a dream. Unsustainable agriculture practices and urbanization are responsible for destroying the ecosystem. Urgent actions are required to pave way for sustainable future. World's leaders should deliver at climate summits, should plan for net zero and should give economic incentives in this regard. They should invest in smart cities to pave way for urban innovation. The environment has surpassed the tipping point due to unsustainable human activities and irresponsible attitude of global powers. Comprehensive global actions are required to rectify course towards sustainable future.

The environment has irrevocably surpassed the tipping point. World has entered an era of global boiling. The era of global boiling is left behind and

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apocalyptic summers are becoming new commons. 2023 summer just witnessed the dire consequences of escalating environmental crisis with record wildfires, record high temperature and record heat waves. According to data from Copernicus, an EU based climate monitoring service, 2023 is recorded as hottest year with 6 record breaking months as hottest months on earth. Hence the environment crisis has resulted in form of global boiling.

Similarly, these high temperatures are resulted in form of snowless winters. Due to average annual temperature rise the heavy snowfall during peak winter is not happening. This has adverse effects in form of water shortage for drinking, agriculture and power generation.

For example Gilgit Baltistan and Kashmir just witnessed dry weather and snowless winters during peak winter. According to GB EPA data, spanning 30 years,

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average annual temperature in GB

is 0.5° Celsius. This temperature rise

is causing a shift from heavy

snowfall to new snowfall.

On the other hand, flooding

is becoming devastating. Unprecedented

floods are happening across the globe

and no region is spared. Asia is

most prone to flooding but now Europe

and America are also no exception.

After heavy rainfall, a rainstorm caused

flash flood in New York on September, 2023.

Most of the areas of city were underwater.

and governor had to declare state of

emergency in city. This flooding caused a

damage of more than 100 million \$ (NOAA

National Centers for Environment, 2023).

Hence devastating floods are happening

across the globe.

Further more, atmosphere is

becoming increasingly poisonous due to

air pollution. Air pollution is one of the

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biggest environmental risks and is accelerated by greenhouse gas emissions. Human activities like burning of fossil fuels, deforestation and industrial processes contribute significantly to greenhouse gas emissions. UN Secretary General Antonio Guterres, said on World Clean Air Day 2023, "99 percent of world population breath polluted air."

This polluted air is main cause of toxic atmosphere resulting in adverse impacts.

Alongwith polluted environment,

biodiversity loss is also happening at

alarming rate. Biodiversity adds variety

of life forms on earth but human

activities are causing alarming decline in

their presence. According to European Commission

Modelling study, likely extinction of 27

plants and animals is expected by 2100.

Hence world is losing biodiversity at an alarming rate.

Various factors are responsible

for this unprecedented environmental crisis.

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Geopolitical challenges pose significant hurdles for collective efforts on climate change.

The commitments made at climate summits are often overlooked due to divergent

national interests. Geopolitical conflicts and

short term political priorities overlook

climate negotiation. Global summit 2021

decided to 'phase down' coal-fired power

plants. But Britain approved new coal

mine just one year later (BBC, Christian McSorley, 2022).

Such initiatives undermining global efforts on climate change.

Along with lack of commitment, climate

injustice is also at heart of climate crisis.

Developed world is most involved in

polluting the world but are reluctant

to give financial incentives to most

vulnerable. This climate injustice has allowed

the developed world to pollute without

much consequences. Dr Ilhan said in his

book Downfall, same US that spend 6-7

trillion \$ in fighting terrorism is spending

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only 150 billion \$ in fighting climate change.

Terrorism is not going to kill them but climate change will destroy them.

Similarly, carbon neutrality is becoming a dream. The efforts to reduce fossil fuel consumption are fraught with multifaceted challenges. One significant hurdle lies in reluctance among to go carbon neutral. Fossil fuels companies are making billions of profits. Fossil fuel company, Shell, drops target to cut oil production and ramped up fossil fuel production.

According to Shell CEO, "I think what would be dangerous and irresponsible is cutting oil and gas production." Economic interests overshadow the bold action and is a critical obstacle in fighting climate change.

Other than global leaders, human activities are also ramping up climate change. Deforestation and urbanization are turning cities into concrete jungles. Forests are converted into urban areas.

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at an alarming rate - This conversion is exacerbating climate crisis in form of increasing global temperature.

According to UNEP on World Cities Day 2023, 12 Million hectares of forests are destroyed every year. This deforestation has surpassed the environment crisis beyond tipping point.

Moreover, unsustainable agricultural practices and food waste are also degrading ecosystem. Unsustainable practices in food system consume lot of water, forests and biodiversity at a disturbing pace. For example, food systems are responsible for 90% deforestation, 60 percent, biodiversity loss and 70% fresh water use (Aisha Khan, Mass extinction, Dawn 2023). Hence these unsustainable practices are responsible for ecosystem degradation.

Comprehensive global actions are required for sustainable future.

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It is time for world leaders to deliver at climate summit. If all world leaders cooperate in global efforts to tackle climate ~~act~~ change, comprehensive results can be achieved. One prime leader example is adoption of 'New Deal' at COP 28. COP 28 resulted in adopting transition away fossil fuel for first time. Over 200 nations agreed to transition away from fossil fuels "in energy systems in just, orderly and equitable manner" (UNFCCC text). Hence collective efforts are required to deliver at climate summit.

~~sim~~ Similarly, a developed world should provide financial incentive to the most vulnerable countries. These incentives and assistance would help developing nations to tackle climate change. However, this assistance is not enough. 2022 floods in Pakistan caused damage of around 30 billion \$. However, total funds disbursed by UNFCCC since its

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Inception are only 22 billion\$. This harsh reality presents that wealthier emitters are not providing enough financial assistance. They should speed up this assistance to help poor countries in tackling climate change.

Along with global assistance, the world should also start planning for net zero future. Projects aiming to go carbon neutral are need of our. Transition away from fossil fuels, shift to energy efficient building and cars should be prime policy of every nation. For instance, Finland is aiming to go carbon neutral by 2035. They are boosting their renewables that already supply 37 percent of energy. According to Finland PM, "fighting climate change is big opportunity for business, creating new jobs and creating new well being." (World Economic Forum, 2023). Such efforts should be encouraged by rest of world to plan for net zero future.

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For carbon neutrality, investing in smart cities is also indispensable. Sustainable cities are key for sustainable future. They are essential to offer an environment that is inclusive, green and free from any exploitation. For example, Amsterdam is replacing car parking spaces with trees and parking for bicycles. They will cut up 210,000 parking spaces by 2025 (World Economic Forum, 2019). Hence sustainable urban planning will enhance the city environment by prioritizing environment friendly and green infrastructure.

In conclusion, environmental crisis has surpassed the tipping point with devastating and unprecedented disasters. World just witnessed a warmest decade with unprecedented flooding and record low ice. Atmosphere is becoming increasingly toxic and biodiversity loss is happening at an alarming pace. Human activities marked by relentless exploitation

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of resources, rampant pollution, unsustainable practices and deforestation, have propelled earth into state of irreversible ecological transformation. This tipping point is accentuated by reluctance and hesitancy among global leaders to act on climate action. This poses a direct threat to human being and has profound consequences. Urgent and comprehensive global efforts are imperative to curb further environmental degradation and fostering sustainable practices. This will chart a course towards resilient and harmonious coexistence with planet.

As UN Security General, said at African Climate Summit 2023, "Now is the time for all countries to stand as one, in defense of our only home."