Date:06 10 /20 24 ENGLISH ESSAY 00000 The Threat of Global warming and the ways to counter it. Focus on proper deconstruction of the topic Address the knowledge dap Improve foundation (grammar+ sentence structure) 1.1. Attention Grabbes 1.2. Definition and explanation of global warning 1.3 Brief overview of the history and progressive of global warming 1.4 impostance of addressing this issue for the survival of ecosystems and humanity Ihesis Statement: "Global warning is a serious threat to the planet, causing higher templetues extreme weather and haim to the environment However, by using renewable energy implanting policies and taking personal actions, we can reduce its effects and work towards a sofes future

Date:__/__/20_ 2. Understanding Gilobal dualming 2.1 Greenhouse gases (GIHGs) and their role in trapping heat 2.2. Industrial activities and carbon emissions 2.3. The dise in global templetures over the Post century. Reference: Intergovernmental Panel on Climate Change (IPCC) Report 2023 3. Causes of Global wasming 3.1 Busning of Fossil Fuels 3.2 Impact on biodiversity and ecosystems These are impacts, not the causes age contributing environmental degladation. 304 Release of harmful gases and Chemicals into the atmosphere 4. Effects of Global warming 4.1 Melting Dolar ice caps and glaciess Reference: National Oceanic and Atmosphesic Administration (NOAA) sea- Cevel Rise Report 2023 4.2. Increased frequency droughts and heatwaves.
4.3 Extinction of species due to habitat destruction

MON TUE WED THE FRE BAT Date:__/__/20_ 5. The Global Response to Global wasming Irrelevant details 5.1 The Paris Agreement (2015) 5.1.1 International Commitment to limit global templetule dise to 1.5°C 5.2.2. Rolle of developed and developing nations in emission reductions Reference: United Nations Framework Convention on Climate change (UNFICC) 5.2 Sustainable Development Goals (SDGs) 5-2.1 Goal 13: Climate Action 5.2.2 Emportance of global collaboration is mitigation climate change Ways to Gounter Golobal Warming 6.1 Transition to Renewable Energy 6.1.1 Expansion of renewable energy technologies and infrastructure. Reference: International Renewable Energy (IRENA) 2023 Report obestation Reduction

Add more arguments here

Date: 06 10/2024 THE ESSAY OCOC Global cuasming is not a Prediction It is happening. James Hansen - Gilobal wasming has become one of the most usgent threats being faced by the the world today. Picture a planet that floods, Loughts and heatwaves have become common - this is the future global warming has would if left unchecked Global wasming refers to the gradual rise in the Earth's templeture mostly caused by human activities such as burning fossif fuels, deforestation and industrial pollution. These actions have Produced greenhouse gases like Carbon dioxide which top heat in the atmosphere and lead to the warming of the dorkt The problem of global avaining has existed Since the Industrial Revolution, factories and machines first began to very heavily on coal and oil for energy with the Passage of time, the planet's templetuse has continued to rise, causing, ice caps to melt, sea levels to sign and weather Patterns to shift

Adolsessing global wasming is now critical for the survival of ecosystems and human life without action, the effect of global warming have intensfied, leading to move extreme natural disasters and threathening food supplies, wildlife and human populations. It has become clear that effort to reduce emissions and protect the environment most be taken sesiously to ensure a l'ivable Planet for future generations

Greenhouse gases (GIHGX) like Casbon dioxide, methone and nitrous oxide trop heat in the Farth's atmosphere leading to global wasming. These gases allow sunlight to pass Through but prevent from escaping, creating a warming effect known as greenhouse effect As the concentration of These gases increase, the Planet warms faster, disrupting natural climate patterns and causing enuigonmental damage

Fusthulmore, Industrial activities,
especially since the Industrial Revolution
have Contributed significantly to the
bise in Gitting emissions foctorists
transportation and power generation vely
heavily on fossif fuels like Coal,
oif and natural gas releasing
amounts of Carbon dioxide into the
atmosphere According to the 2023
I pec Report, Carbon emissions from
industrial activisties are the leading
cause of global tempreture increase
making industries a major akiver of
climate change

Therefore, global tempsetuses
have increased by approximately 20°C.
The rise is closely tied to human
activities such as deforestation and fossif
fuels consumption. As reported by the
TPCC, the acceleration of global warming
has resulted in more extreme weather
events, melting glaciers and rising sea face.

The bushing of fossil fuels like coal, oil and notusal gas for energy is the primary driver of global warming Power Plants, vehicles and industrial processes emit massive amounts of carbon dioxide and methone are the leading greenhouse gases According to the IPCC, fossil fuel combustion accounts for the 75 of global Carbon emissions This Continuous release of gases contributes directly to the Therease in global tempretures, driving extreme weather eventus and disrupting. climate stability

Moveover, Golobal warming has a profound impact on biodiversity and ecosystems hising tempretures after habitats, forcing species to migrate or face extinction for instance, coral reefs support about 25% of marine life are highly sensitive to tempreture changes

The IPCC estimates that 70-90% of cotal seefs could disappeas by 2050 due to walning oceans and acidification, leading to a loss of marine biadiversity and threatening food sources for millions of people

Similarly, Land-use changes, such as deforestation and usbanization, significantly contribute to global warming by reducing the Easth's ability to absorb carbon dioxide Forests act as carbon sinks are cleared for agriculture and development, releasing stored carbon back into the atmosphere The food and Agricultuse Osganization (FAO) reports that deforestation accounts
for nearly 10. of global greenhouse
gas emissions, further degradating exacts bating climate change

Furthurmore, Industrial Processes

release haimful gases such as

sulfur dioxide, nitrous axide and

fluorinated gases have a high global warming potential these gases not only trap heat but also contribute to ais pollution and acid rain, furthur damaging ecosystems placording to the

U.S. Environmental Protection Agency (EPA),

fluorinated gases can stay in the atmosphere for thousands of years, intersifying their long-term impact on the climate and human health.

ice caps and glociess to melt at an alosming rate. The National Oceanic and Atmosphesic Administration (NOAA)

Sea-Level Rise Report (2023) reveals that ice sheets in Greenland and Antaractica have been losing mass at an accelerated pace, Contributing significantly to sising sea level the loss of polar ice not only threatens coastal cities but also disrupts of

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The Poss of Polas ice not only threatens coastal cities but also dissupt ecosystems that bely on stable, icy envisonments for survival. Therefore, the rise of/in global templetuses has led to move frequent and severe weather events, tholiding hussicanes, droughts and heatworks Wasnes Oceans fuel 3troppes stooms while theseased evaporation from the land exacesbates drought conditions According to the IPCC, extreme weather events have more than doubled in frequency, Position a serious risk to infrastructure, agriculture and human health.

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many species are facing extinction due to the destruction of their natural habitats hising tempretures are foscing animals to migrate to cooler areas, while some like polar hears and amphibians, are losing their homes entirely according to the IPCC reports that 1 in 6 species is at risk of extinction if global tempretures rise by 3°C would read to a Catastrophic loss of biodiversity and ecosystem impolance

The Posis Agreement, establishing in 2015, represents a international commitment to combat global warming by limiting the increase in global templatures to crell below 2°C, with an aim to limit the rise to 2.5°C. This agreement units contries worldwide in a collective effort to address climate change, acknowledging the vigent need for action to safegured the planet for future generations.

12 Date:__/__/20___ By setting a tagget of 1.5c the Pair Agreement emphasizes the necessity of reducing greenhouse gas emissions to prevent the most severe impact of climate change _ Countries are required to submit their national climate action plant, known as Nationally Determined Contributions (NDCs) and Their strategies for reducing emissions and adapting to climate change this Collective Commitment is caucial in Steeling. global efforts towards a Sustainable future

Irrelevant details

According to the Polis Agreement,

recognizes the different Capacities and

responsibilities of classoped and developing

notions in adolessing climate change.

Developed Countries, being historically the

largest emitters and expected to read in

reducing emissions and provide financial

and technological support to developing

nations

MON TUE WED THS FRE SAT (13) Date:___/__/20___ Meanwhile, developing nations/ countries one encouraged to Dursue sustainable development while begieving assistance to achieve their climate goals. According to the United Nations Framework Convention on Climote Change UNFace), this comperative approach is vital for achieving global climate taggets_ Irrelevant details The Sustainable Development Goals SDGs), established by the United Nations in 2015 consist of 17 interconnected objectives aimed at fostering global prosperity while proteiting the planet Among these goals, Goal 13 focuses specifically on climate action explose the ugent need to combat climate the importance of integrating climate measures into national policies an strategies, ensuring that all countries work towards a sustainable future

and equitable.

Similarly, Goal 13 Calls for adoless I climate change by enhancing besilience and adoptive copacities to climate - belated hazards and natural disasters in all countries It encourages nations to improve education, awareness, human beings and institutional capacity on climate change mitigation, adoptation and impact beduction. Goal 13 coms to faster a holistic approach to climate action, ensuring that efforts are inclusive.

essential for effectively mitigating climate change and achieving the SDGis. Climate Change knows no borders; its impact affect countries and communifies a coordanated besponse By sharing knowledge, resources, and technology, nations can learn from one another and implement effective climate Strategiers.

Transitioning to renewable energy is essential in the flight against global availing. Renewable energy sources like solar, wind and hydropower produce little to no greenhouse gas emissions, making them vital alternatives to fossif fuels. According to the International Renewable Energy Agency (IRF NA)

2023 Reports emphasizes that expending benevable energy technologies and infrastrutuse can significantly beduce carbon emissions while providing sustainable energy solutions

furthwhose, Reforestation and afforestation ase critical strategies for countering global warming planting trees helps absorb carbon dioxide from the atmosphere acting as natural carbon sinks The process not only reduce greenhouse gas levels but also restores ecosystems and biodiversity According to the studies, one hectare of forest can sequester approximately 20 tons of carbon dioxide annually

MON TUE WED THE FRI SAT across industries, building and transportation is another effective way to mitigate global warning By tilizing advanced technologies and adopting best Practices, Significant energy savings can be achieved. According to the International Energy Agency (IEA) estimates
that improving energy efficiency could
account for nearly 40% of the emission reductions needed to meet Climate taggets by 2040. Thesefore, Reducing waste and promoting secycling play vital soles. in combating global warning Landfills produce methane, a Potent greenhouse gas, when organic waste decomposes.

By minimizing waste through recycling and Compositing communities can significantly lower methone emissions furthur more becycling materials such as paper, plastice and metals reduces the preed for saw moterial extraction

MON TUE WED THS FRI BAT To Conclude, Grobal wasming presents a critical threat to the planet with vising tempsetuses, melting ice caps and increasing natural disasters signaling the urgency of the sitiofion. The causes, primarily the busning of fossil fuels and deforestation have led to severe environmental degraphion impacting biodiversity and human life Howeves, the global response through initiatives Pike Polis Agreement and Sustanhoble Development Graals (SDGs), especially Goal 13 on climate action By toking Collective action and Committing to sustainable Practices, humanity con Counter the devastating impacts of global warming and secure a Safes, more sustainable future for the Planet. Time 40t: 2:45 minutes