

Global Warming: Causes, Impacts and solutions.

Thesis Statement:

Global warming has posed serious threats to life on ^{the} earth and under sea due to excessive use of fossil fuels, deforestation, during agricultural production and anthropogenic activities which lead to rise in temperature, climate change, increased threats to human life and severe impacts on agricultural practices and ecosystems, therefore, to save planet need of hour is switching over to renewable energy resources, ensuring massive forestation, inculcating awareness among farmers and introduction of technological interventions to reduce carbon emissions.

Too long for a thesis statement
It should be no more than 30-40 words.

Over long sentence.

Write thesis statement on 3 sentence pattern
What? - Describe the problem
Why? - Cause or reasoning.
How? - Remedial measure.

Do not go into specifics. Generalise the points

Outline:

I. Introduction

II. Causes of global warming

a. Excessive use of fossil fuels

(i) In industries which lead to global warming.

Main heading →

Sub-heading →

This is not allowed.

keep the levels of heading to 1/1

ii. In vehicles and transport which contributes in global warming.

iii. Domestic usage of fossil fuels for cooking and heating

iv. For generating electricity

unnecessary detail

b. Massive deforestation elaborate.

eg Increased & excessive deforestation

i. Wood required for industry

ii. Domestic usage of wood

iii. Increase in demand for real estate societies leads to deforestation

iv. need of wood for construction work has accelerated deforestation

c. Agricultural activities result in

harmful emissions - (Don't make them specific to carbon. There are other emissions)
Carbon Emissions → redundant. Just because it is not not specific to hydrocarbons does not mean it is a different point

i. Agricultural machines which are operated on fossil fuels

ii. Burning of crops residue by farmers.

iii. Use of fertilizers, pesticides and other chemicals for growing crops

d. Anthropogenic activities have augmented global warming

All the activities mentioned above are anthropogenic. Be more specific.

i. Stock overconsumption by humans

ii. Increase of demand of land for housing and agriculture. overlaps with deforestation point

- iii. Overdependence on appliances ^{generalise it to emissions of CFCs.}
 which use chlorofluorocarbons (CFCs). ^{You have discussed only 4 causes. diversify the plants more.}

III Impacts of global warming

a. Rise in temperature

- i. Break the record of nearly eight decades due to hotness of weather ^{increase in global average temperature or frequent heatwaves}
- ii. Arctic temperature is twice more warm than pre-industrial level
- iii. Global boiling has reached aid by United Nations secretary General.

b. Accelerated climate change

activities. ^{very broad point, all other points fall under this category}

- ✓ i. Melting of glaciers and ice
Cause floods

- ii. Rising of sea level ^{threat} to coastal area ✓

- iii. Increased intensity of natural disasters which impact both humans and fishes ^{Animals why only fishes?}

- iv. worsening droughts which cause food insecurity ^{extreme weather conditions.}

c. Posed threat to human health

- i. Scorching heatwaves cause skin burning ^{sepetine}
- ii. Respiratory disease due to smog

iii. Vector borne disease threats have increased

d. Effect on agriculture crop and ecosystem.

i. Harsh weather has increased challenges to food security

ii. Weather variations have decreased agriculture production

iii. Increased attacks of disease on crops

iv. Threat of extinction of various species has accelerated

All fall under agriculture over complicated outline. Instead of going into detail of each point. Discuss various different points.

IV Solutions to global warming

a. Switching over to renewable energy resources

i. Solar energy which decreases dependency on burning fossil fuels

ii. Wind energy that is safer from coal burning for energy generation

iii. Environmental friendly energy generation through hydro power

b. Ensuring massive forestation

i. Mass plantation of trees for maintaining oxygen cycle

ii. ^{Ensure} Strict laws for those who

Support deforestation

- iii. Promoting vertical housing scheme system to avoid deforestation.

c. Inculcating awareness among farmers

- i. Using scientific methods for disposal of crops residue by farmers
- ii. For growing crops use of organic manure
- iii. Sprinkling of eco-friendly pesticides that use natural or low toxicity material

d. Introducing technological inventions

- i. Electrification of public transport which reduces smoke contribution in air
- ii. Energy generation through nuclear technology.
- iii. Emphasizing use of technologies in agriculture sector.

Conclusion

leaves the structure of your essay in questions.

It was the day of Friday, on 28th July 2023, when United Nations secretary general Antonio Guterres said that "The hottest days of July which broke record of eight decades. So, the era of global warming has ended, and the era of global boiling has arrived." Global warming is the long term heating of earth's surface since the age of industrialization. It has increased 1.2 degree celsius of earth's temperature since 1850. It is due to trapping of sun's rays on the earth's atmosphere. It was the Stockholm Conference which highlighted issue of global warming and organized platform for addressing climate change and climate justice issues in 1972. Later, it in 1992, Earth Summit took place led to formation of international climate change organization United Nations Framework Convention on Climate Change (UNFCCC) Intergovernmental Panel on Climate Change (IPCC) decides meeting points

Do not make something that you have already mentioned in your outline as your attention grabber.

If you are writing of inverted commas quote the statement word for word. You can change the arrangement of the attention grabber to better suit your writing style and expression for example writing the quote first and then explaining the content.

Do not define terms in Introduction make it 2 different sentence, or change the structure of sentence.

No facts and figures in the Introduction

Too much background and content for Introduction limit the Intro to Attention Grabber, Gist or overview of outline and Thesis Statement.

The term was coined in COP 27/28

with

what is IPCC, why not introduce this as well when you are doing so for every other organisation

for UNFCCC which fixes obligations for both developed and developing countries to reduce their carbon emissions. In 1997, Kyoto protocol was initiated in Japan. It provided common but differentiated responsibilities (CBDR) to countries to cut down burning of fossil fuels. In 2015, Paris climate deal ~~has~~ occurred. This deal provides nationally determined contributions (NDC) to both developing and developed nations of the world. The urgency of global warming report ^{which one?} which has recently released by world meteorological organization (WMO) reveals that ~~July 2023~~ ^{summer} ~~has broken record of 1944~~ ^{the} warmest day. Climate change which is global warming has spreaded ^{effect of global warming} fear and created chaos in the world. Its in the form of droughts, heat waves, storms, floods, wild fires and harsh weather in every corner of the world. So, it is clear that global warming has posed serious threat to life on the earth and under the

Remove the historical developments from the introduction

Your report is cause, impacts not and solutions, not neglect or history of climate change and global warming. The introduction has gotten too long and entirely irrelevant

No climate change is effect of global warming not global warming itself

no gist of outline.

see due to excessive use of fossil fuels, massive deforestation, during agricultural production and anthropogenic activities which lead to rise in temperature, climate change, increase threats to human life and severe impacts on agriculture practices and ecosystem, therefore, to save planet need of the hour is switching over to renewable energy resources, ensuring massive forestation, inculcating awareness among farmers and introducing of technological tools which reduce carbon emissions.

Intro. ^{over lap} should be limited to 200-230 words.

A lot of irrelevant information.

There are numerous factors which are responsible for global warming. ^{one such factors is that} The world is powered by burning of fossil fuels. The energy generated by using fossil fuels is 78.4 percent (Conference of Parties-26 Report). Moreover, industrial use of fossil fuel is 16.7 percent. This ^{contributes huge} contributes huge ^{in global warming} in global warming by emitting of carbon and ^{exactly how much contribution} smoke ^{goes to burning of fossil fuel. Refere and evidence this part than just how much fuels are used.} in the atmosphere. Further more,

Why is seat relevant?

irrelevant

Usage of vehicles and transport of goods share ~~30.5~~ percent of fossil fuels consumption. (World Bank Sustainable development article: Christophe de Grouvello). In addition to this, residential and commercial use of fossil fuels for heating and cooking is 29.8 percent (United Nations Environment report 2022: UN Fact book).

You are only highlighting consumption of fossil fuels not that these fuels cause global warming.

Further, Asian countries powered their houses and factories, industries by using fossil fuels for electricity generation which accounts 52% of their electricity (International renewable energy agency report 2023). From above

contribution of fossil fuels to global warming is high. This leads to warming of globe. Therefore, massive use of fossil fuels share its portion to global warming.

You have not given % of fossil fuel's contribution to global warming. You've only given us their consumption.

Moreover, massive and large scale deforestation has led to the warmest globe. The deforestation is done due to increasing demand of wood in the industry. Wood

Also, the whole paragraph is a list of facts, there is no argumentation from your point of view.

as major driver of deforestation
 contributes to percent of total
 deforestation (National Geography Society
 report 2022). Moreover, domestic usage
 of wood due to non availability of gas
 has increased wood demand which leads
 to deforestation. Further more, the biggest
 cause of the deforestation is increasing
 demand of real estate business. This
 business has swollen forest due to
 increase demand of housing societies.
 Food and agriculture organization report
 35 percent of deforestation has increased
 in the world. Moreover, due to increase
 in demand of timber wood in
 construction industry, deforestation is
 accelerated. Due to increasing in demand
 of wood in everywhere deforestation is
 happening fast. This leads to harsh sun
 rays direct to ground. So, deforestation
 is major driver for increasing
 global temperature and in warming
 earth's atmosphere.

Further, agriculture activities
 has increased carbon emissions which

No need to prove
 the reason for deforestation
 what you need to prove
 is that deforestation is
 contributing to global
 warming

irrelevant

Discuss this
 in detail

enhance global temperature. Agriculture machines which are used for harvesting agriculture are operated on fossil fuels. These machines emit carbon dioxide smoke which is mixed into atmosphere and traps sun's rays which are emitted to earth and not allowing them to go back. In addition to this, burning of crops residue alone contribute 50 percent of carbon during their seasons (European Union: Climate change report). Further, the use of pesticides and fertilizers which contribute significantly to greenhouse gas emissions.

Ammonia manufacturing today contributes between 1 and 2 percent of world-wide carbon dioxide emissions (Institute for industrial productivity, industrial efficiency technology database article 2022). Above all, it is clear that anthropogenic agriculture activities emit carbon emissions which lead to global warming.

Last but not least factor which has ^{shared} ~~segmented~~ in global warming is anthropogenic activities. Anthropogenic

No need to explain that in this much detail. Also other GHGs are also emitted due to agricultural processes not only CO₂

3 separate points. You can make 3 separate paragraphs on them.

Coherence lacks too many ideas in a single paragraph.

Does not make sense as many other activity discussed so far has also been anthropogenic activity.

Do not define terms in paragraphs

activities are those activities which are derived from human activities. Humans have increased consumption of resources. One of them is, they have increased consumption of meat related products which are obtained by animals. This has increased demands of animals which require fodder that is obtained from land. So, land requirement is increased, this leads to deforestation. Furthermore, 14.5 percent of all human caused greenhouse gas emissions are attributable to livestock farming. (Food and agriculture organization data 2022). In addition to this deforestation for housing is major contribution in global warming. USA United states of America alone share deforestation approximately 175,000 acres per year or 36 million trees per year (Madina Galle, ecologist engineer, article 2020 named urban deforestation). (Further more overdependence of human on appliances which are operated on Chlorofluro carbon share 17 percent of

Redundant

Separate point to argument correlated to argument

Redundant

Also a separate point

Separate point

Discuss only one idea per paragraph
Do not make points that comprise of multiple arguments.

total greenhouse gas (Energy and global warming report: Techie Scientist). By analyzing above facts, it is clear that anthropogenic activities are involved in contributing global warming.

No Structure paragraphs

As every problem creates some ^{imp}lication, so, global warming also has some horrific and disastrous. One of the biggest impact of global warming is rise in temperature. The last three weeks of

July 2023 has broken record of highest temperature which was set in 1944. UN chief ^{has} called these days boiling days. The multihazard risk has forecast to increase to 85 percent of region's population under 1.5 degree celsius and 87 percent under 2 degree celsius warming. (Multi hazard risk report 2023)

This information has already been repeated twice in the essay. If you write something once do not repeat it again.

which multihazard risk? Rise in temperature? Heat waves?

Moreover, the melting of arctic ice is accelerated due to increase of temperature ^{continue structure} twice as compared to pre-industrial era. The global temperature is as much increased that UN chief has called it boiling days.

Separate Argument

Discuss this in a separate paragraph.

arrived. Moreover, global surface temperature has increased faster since 1970 than in any other 50 years period over at least last 2000 years. (Intergovernmental panel on Climate Change (IPCC): the sixth assessment report). From about it is clear that earth is warming more faster than expectation due to global warming. Therefore, rising temperature is main impact of global warming.

Moreover, global warming has accelerated climate change. Due to climate change, the speed of melting of glaciers and ice is twice accelerated. 95 percent of the oldest and thickest ice in the Arctic is already gone. (Worldwide life report 2023). Furthermore, due to melting of glaciers caused by climate change, the rising of sea level has posed a serious threat to small island nations and coastal areas of the countries. Rising sea level has inundated low lying wetlands and

redundant

Insufficient paragraphs too many ideas in one

dry land, and has eroded shorelines in Asia, Africa and North America (United States of America environmental protection agency findings 2022). In addition to this, climate change has increased intensity of natural disasters which impacts on the both humans life and life below sea. Higher temperature due to global warming is associated with more disasters caused by droughts, wild fires, heatwaves, tropical cyclones and other storms (International monetary fund report on climate change). From given data, it is proven that the climate change ~~got~~ accelerated due to global warming.

Furthermore, global warming has posed a serious threat to human health. Climate change is the single biggest threat facing humanity due to harming health through air pollution, diseases, extreme weather events. Every year, environmental factors take the lives of around 13 million people (world health organization report). scorching

heatwaves cause skin burning. Moreover, increased intensity of heatwaves has been linked to cardiovascular and respiratory diseases (Aljazeera ^{do not sphere news papers or outlets} article: July 2023). Furthermore, respiratory diseases caused due to smog and harsh weather. In addition to this, the intensity of vector borne disease is increased due to warm temperature (WHO study) ^{which one?}. By analyzing above climate change is the single biggest threat to humanity. Therefore, global warming has led to increased in threats to human health.

Last but not least, global warming has impacted on agricultural production and ecosystem of the universe. Due to harsh weather food production and harvesting is decreased. This leads to increased in food insecurity. It is due to global warming which is influencing weather patterns, causing heatwaves, heavy rainfall, and droughts. Due to these 30 million people in low income countries fall in food insecurity (World Bank 2022).

report). Moreover, weather variation has ~~declined~~ yielding capacity of crops. It has also increased attacks of insects and flies on crops. Pakistan's wheat yield production is expected to decline by 16 percent by 2050 due to global warming (DAWN newspaper on 25 June 2023). Furthermore, threats of extinction of various species are increased. Climate change has currently affected at least 10,967 species and increasing the likelihood of their ^{Inherent} ~~extinction~~ _{No Structure} (International Union for ~~the~~ Conservation of Health and List).
 From above it is evident that global warming has affected agriculture yielding capacity and accelerated extinction of species.

As every problem has ^Q ~~some~~ solutions, ^{Similarly} so global warming also has ^{water resources} solutions. ^{word} ~~The~~ biggest need of hour to ^{mitigate} ~~Cope~~ global warming is switching over renewable energy sources. Renewable energy is climate friendly energy source which is

No definitions

available in various forms. It is key to safer, cleaner and sustainable world. Sunlight, wind and water are such sources. Nearly 30 percent to the world's electricity currently comes from renewable sources of energy (International Energy agency report 2022). The biggest share is hydropower, followed by solar and wind and geo thermal. But, the world needs to move 100 percent in renewable as Iceland generates nearly 100 percent electricity from renewable sources (United Nations environment programme report). (This will lead to end of burning of fossil fuels which help in cooling global temperature. Because, major contributor of global warming is burning of fossil fuels.) When these fossil fuels burning will end. Global warming issue will be resolved.

Moreover, urgency of situation to cope global warming is ensuring massive forestation. Forestation is needed due to nature of trees which capture carbon dioxide from the

Do not discuss what has been done. Discuss future steps

Who says that? Proof-

Sentence is structurally incorrect.

atmosphere and stores Carbon in living biomass, dead organism matter and soils, making ~~forestation~~ a negative emission method. Moreover, ~~forestation~~ saves from natural calamities like floods, heavy rains and harsh temperature. Moreover, ~~forestation~~ Strict laws must be made for those who are involved in deforestation activities. Furthermore, vertical housing society needs to promote. This not only saves land but also protects land from deforestation. People must abandon that luxury life which is obtained due to cutting of trees. So, need of the hour is plantation of massive trees and supporting projects like ten billion tsunami trees. So, this way will be fruitful to cope climate and global warming crisis.

→ validate this point -

Legislation is a separate issue

Separate report

Do not want too many paragraphs in one

In addition to this, inculcating awareness among ^{why only farmers} farmers is way out to deal global warming. Usage of scientific methods for disposal of crop residue must be taught to ^{what does?} farmers instead of burning. It not only helps in dealing with global warming but also increases soil surface and reduces soil erosion of land. Moreover, farmers must be known to

Referend? How best short version of 15 min

P# 20

usage of organic manure and sprinkling of eco friendly pesticides which use natural or low toxicity material. This can be done through different workshops and training organization for farmers. This not only helps from global warming but also leads to increase in crop yielding. Therefore, it is panacea with dual benefits which must be adopted for controlling effects of global warming.

Last but not least, to cope with global warming is introduction of technological inventions to masses.

Electric vehicles usage is one of them. It reduces smoke contribution which is caused by burning of fossil fuels. Moreover, energy generation by using nuclear technology which lowers down burning of coal and other fossil fuels. Further more, usage of hybrid technologies in agriculture sector will help in lowering down carbon contribution and also will contribute in more production.

But

Inventions

Day: _____ Date: _____
Therefore, it is easy way to deal with global warming crisis.

To sum up, warmer days are ahead. ^{Directly start from now time} It is because of extremely hot days are warming twice as fast as average due to global warming which is mainly caused due to burning of fossil fuels. Many summit and organization are held, but, they are still unable to cope global warming menace. From Kyoto protocol to Paris agreement are unable to solve global warming crisis which are dated back to industrial revolution. ^{not relevant}

July month of year 2023 has broken record and has become the hottest day after nearly 8-9 decade. So global warming has posed serious threats to life on the earth and under the sea due to excessive use of fossil fuels, deforestation, during agricultural production and anthropogenic activities which lead to rise in temperature, climate

Change, increased threats to human life and severe impacts on agricultural practices and on ecosystems, therefore, to save planet the need of the hour is switching over to renewable energy resources, ensuring massive forestation, inculcating awareness among farmers and introduction of technological interventions to reduce carbon emissions.

→ Work on Structure. For Introduction as well as for Paragraph. Try writing on templates that are provided by the Academy. If they are not available to you let me know, I'll attach them to your assignment.

→ Practice on developing your argument. Do not solely rely on facts. Also, discuss and give evidence of what you are trying to prove.