

Global warming: Causes impacts and solutions.

1 - Introduction.

2 - Understanding of global warming.

3 - Causes of global warming.

(a) Industrial revolution:
Green house gases emission.

(b) Man made explosions.

(c) Reduction of carbon sinks; deforestation.

(d) Use of non-renewable energy resources.

4 - Impacts of global warming:

(a) Increasing heat waves.

(b) Change in rain patterns.

(c) Wild fires owing to high temperature.

(d) Rapidly melting glaciers : catastrophic floods.

(e) Dangerous health effects of global warming

5- Suggestions to minimize global warming.

(a) Filtration of industrial emission.

(b) Maximization of forestation.

(c) Check on increasing use of explosives.

(d) Use of renewable energy resources.

6- Conclusion.

Global warming is a grave threat of 21 century as it is changing natural environment of living beings with every passing day. There can be different reasons behind it, but this is a threat for all because of all, because no country of this planet is stranger to industrial revolution, explosions, deforestation and use of non-renewable energy resources. This is a threat for all in a sense every nation facing heat waves, floods, changing rain patterns, wild fires as well as dangerous endemics and pandemics. Therefore, global warming cannot be eradicated in one night it

needs long terms as well as short terms planning to mitigate its harms. Short terms solutions such as check on ammunition and filtration of industrial emission, while the long term steps are forestation and shift to renewable energy resources. However, there is a towering need of cooperation of all developed as well as developing countries to control the global warming.

~~Global warming~~
~~initiated with the industri-~~
~~al revolution.~~ Global warm-
ing means increase in temperat-
ure of the atmosphere owing
to man made activities. The
temperature ~~is~~ of the
earth is increasing with
every passing year which

②
is resulting into changing environment of living beings.

There are different causes of becoming this planet a burning ball, but one of the most important is industrial revolution. Industries emit number of green house gases including CO_2 in high quantity which damages ozone layer and let the high intensity rays come on earth. These rays increase the temperature of the earth.

The other one reason of excessive use of explosive material by human beings. Such as Russia-Ukraine confronting each other with the power of explosives, Pak-Afghan border attacks, Indo

- US military exercises and China's military exercises on artificial Islands all are resulting into global warming because these explosions emits radiation which increase heat and make difficult to live for all living beings.

Allah (God) designed the world with a threat and counter threat of all creature. Such as in human body bad cholesterol is countered with good cholesterol, same is the case with sun having intensive heat and trees on earth to sink the rays reach on earth in the form of carbon. But the dilemma is, deforestation has diminish the counter threat of heat

heat rays which resulted into global warming.

On ~~each~~ one hand man is minimizing forests and on the other hand increasing generation of electricity with hydrocarbons. Hydrocarbons, especially coal is a rich source of CO_2 - when it is used for generating electricity it produces CO_2 which damages ozone layer and let the sun warm the earth.

The all above mentioned causes contributed in global warming which impacted the earth in the form of heat waves. The recent example of heatwaves in May 2022 in Pakistan and in June and July

Europe witnessed 40°C plus temperature. The most shocking of all is that according to UN report 2022, Karachi will face heatwaves in the last week of February. These heat waves are results of global warming.

Not only heatwaves but also changing rain patterns are posing threat to living beings owing to global-warming. In 2022, monsoon rains in Pakistan changed their season, duration and intensity. There were droughts when ^{the crop} wheat needed rains and there were rains in the season of harvesting crops.

These changed pattern's effects are long lasting on Pakistan and need long term strategy to counter.

This looks like a cycle
i.e high temperature causes
heat waves, heat waves
causes wild fires and
wild fires again increases
temperature. As last year
Turkey faced wild fire and
different regions of Pakistan
too lost its forests and
wild inhabitants owing to
fire. As the real cause of
these fires is high tempe-
rature so the countries
must consider its check.

The above all discussed
points related to the enviro-
nment of human being, but
global warming impacts the
health of human beings
also. Such as skin diseases,
diseases of eyes as well
as of lungs owing to

to excessive CO_2 in the
atm. air.

Anyhow, these all
problems can be controlled
by proactive measures i.e
filtration of industrial
emission. As we know there
is a competition of quantity
and quality of production.
Therefore, we cannot minim-
ize industrialization and
green industrialization is
a long term process. Hence,
there is a need of short
term process including long
term process, and that is
filtration of emission of
industrial waste filtered before
releasing into air, land or
in water then number of
lives can be protected.

As environment has been deteriorated already on account of human thrust for more, only industrial check cannot be fruitful. So, There is a need of forestation to sink the already existing carbon dioxide in the air. Green Tsunami Project needs to be complected in Pakistan and other project at international level should be initiated with intra countries cooperation.

Again there is another point needs consideration to solve the issue of global warming. The point is that if on one hand forestation is increased to sink the carbon and on the other hand hydrocarbons are used

to generate electricity, then there is just wastage of money, time and energy in the form of forestation. Therefore, to make forests work properly, energy generation needs to be shifted on renewable resources such as solar energy, wind energy, hydel energy etc.

The above mentioned points show that each cause is related with the next, same is the case with implications as well as with solution. Therefore, to make one solution to work, the other solutions ^{require} proper strategies and actions too.