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CONTENT

- 1. Introduction
- 2. Causes
- 2.1 Greenhouse Effect
- 2.2 Human influence
- 3. Studies that show the actual change in Earth's condition
- 4. Visible Effects
- 5. Solutions
- 6.Conclusions



1.INTRODUCTIOON

- Whatever we do, the Earth will no longer be habitable in the end. In 5.5 billion years, the Sun will turn into a Red Giant, the oceans will turn into vapors, the temperature of the Earth's surface will be hot enough to melt even the stone on the entire surface of the planet.
- As the brigher and brighter Sun evaporates our oceans, the effect will be much more intense than manmade global warming.





Global warming is known as the phenomenon of continuous increase in average recorded atmospheric temperatures in the immediate vicinity of the soil, as well as ocean water, observed in the last two centuries, but especially in recent decades.



2.CAUSES

Causes

Change of external forcing

Volcanic eruptions

Greenhouse effect

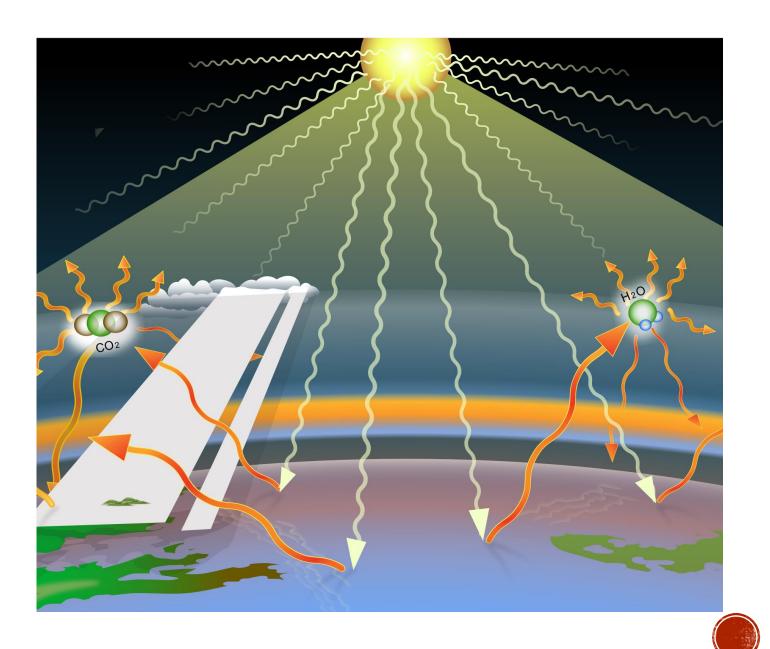
depending on the influence of orbit around the Sun

this one being the most important of these

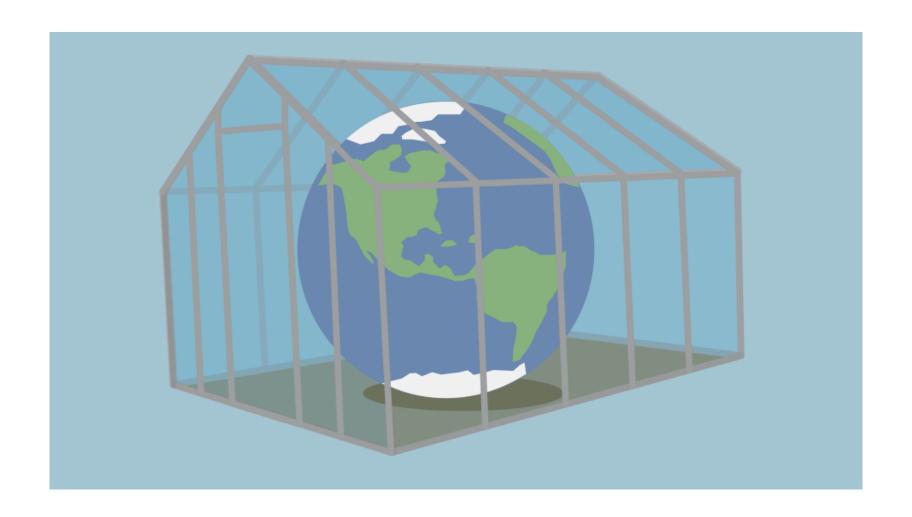


2.1 GREENHOUSE EFFECT

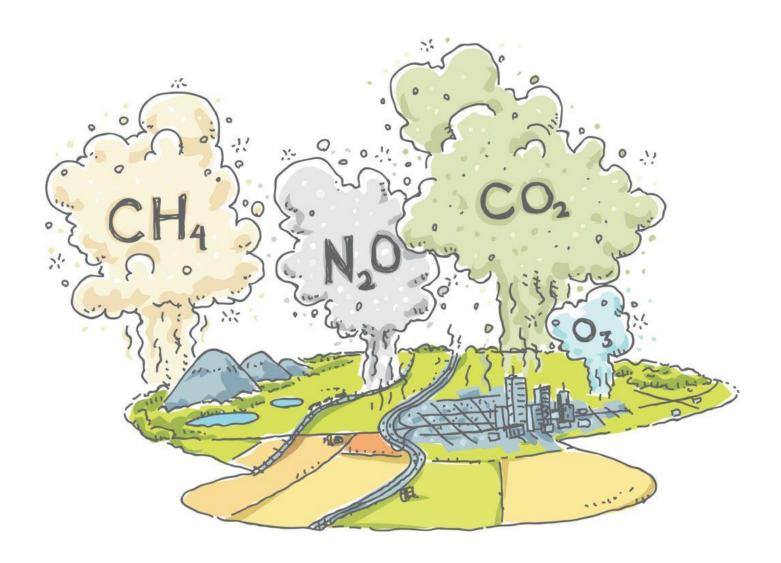
 The greenhouse effect is a term used to highlight the contribution of certain gases emitted naturally or artificially to the warming of the Earth's atmosphere by changing the permeability of the atmosphere to solar radiation reflected from the Earth's surface.



• The result is called a "greenhouse effect" because the atmosphere acts like glass covering a greenhouse - heating the interior.

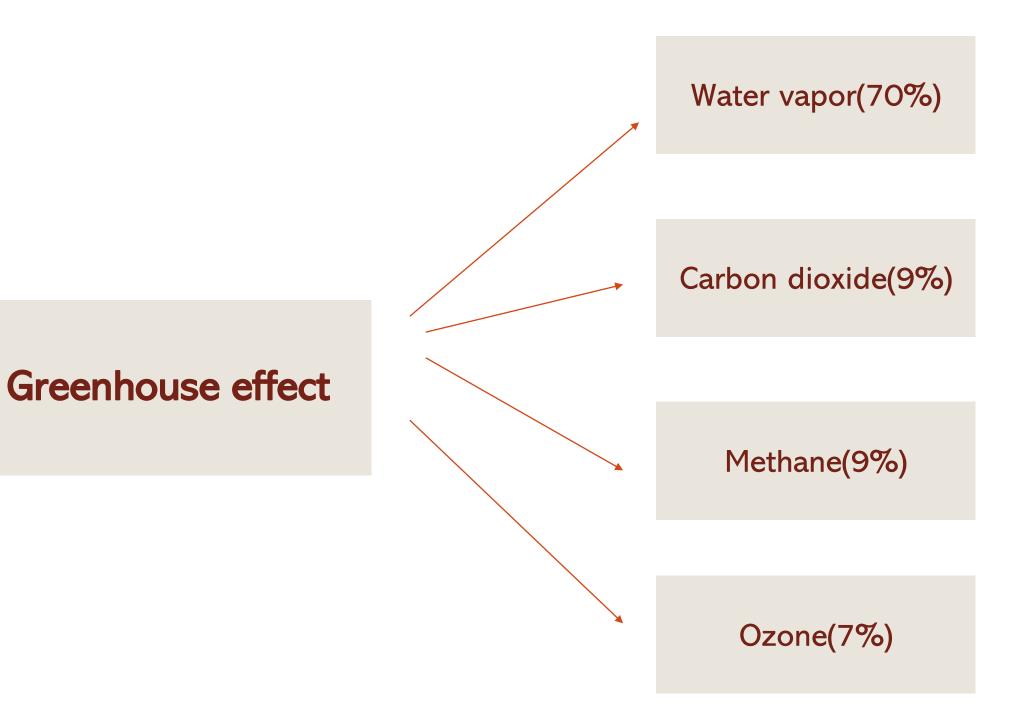


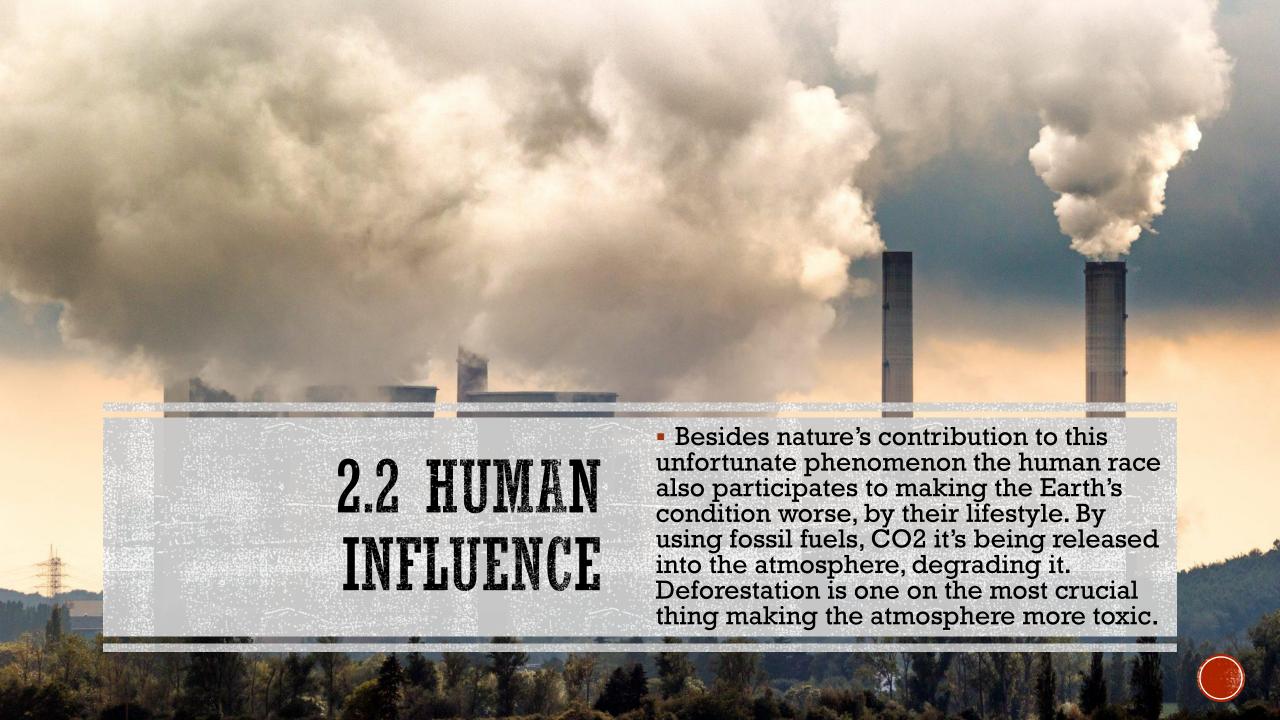




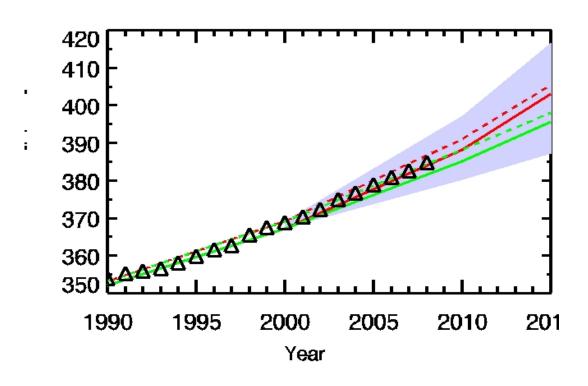
 The greenhouse effect normally maintains a comfortable temperature on our planet. However, human activities increase the amount of greenhouse gases in the atmosphere, and thus the greenhouse effect is increased and the Earth's temperature rises.





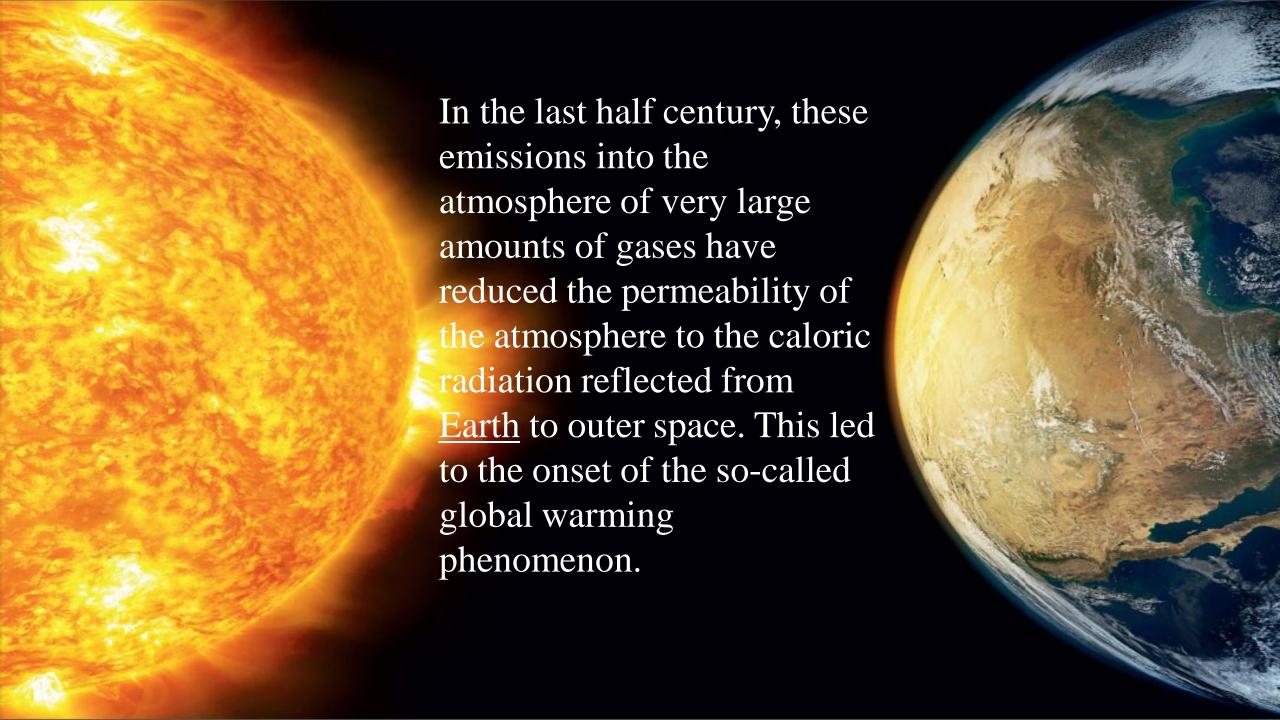


3. STUDIES



• According to the IPCC Climate Change 2014: Mitigation of Climate Change report, 62% of greenhouse gas emissions between 2000 and 2010 are carbon dioxide. Greenhouse gas emissions increased faster between 2000 and 2010 than in the previous three decades, and almost half of the carbon dioxide emissions from 1750 to 2010 are due to the last 40 years.







INTERACTIVE LEARNING

Accessing this site we can see how the Earth's condition has changed a lot in the past few years

https://climate.nasa.gov/interactives/climate-time-machine/, and it clearly shows that it is becoming worse as the years pass by. We can also acknowledge how we can improve Terra's state by planting more trees, reducing the deforestation movement or trying to remove as much carbon as possible from different types of activities, by accessing this interactive site https://en-roads.climateinteractive.org/scenario.html?v=2.7.39&p55=0.1&p57=-0.1.





4.EFFECTS

There are many effects that will happen in the future if global warming continues.

Polar ice caps melting Economic consequences

Warmer waters

Hurricanes

Spread of diseases

Earthquakes





ENDANGERED ANIMALS

Another effect is the species loss of habitat. Species that include polar bears and tropical frogs will be extinct due to climate change. They cannot adapt the habitat that changes their living or temperature.













5. SOLUTIONS

Besides the solutions we offered previously in the essay, we can add recycling. Recycling can reduce garbage by reusing plastic bags, bottles, papers or glass. It prevents pollution by reducing the need to use raw materials and conserves natural resources such as timber, water and minerals. These materials are biodegradable and can't pollute oceans or won't stay on the ground for millions of years.









RECYCLING







Produced from cellulose



Complex
polymer→toxic
materials such as
cetaldehyde



PLASTIC



These particles are a danger to the health of all living creatures and are found in food, on the ground, in the air, floating on the surface of the water and in the deep sea. Marine living creatures, as well as people, are consuming this wide variety, whether intentionally or accidentally. In a study published by ecologist Elliott Hazen, it was found that marine fish, including some that are consumed by humans, ingested synthetic parts of different sizes. Out of 555 fish species surveyed, more than 2/3 had ingested plastic particles.



TODAY'S CHALLENGES

■ →generating 66.000 tons of contaminated masks and 57.000 tons of plastic packs that are thrown into the territory of a single country each year

The recycling industry is constantly developing and is certainly a domain of the future. but no matter how technical recycling processes evolve, remember that while your role is the simplest, you are the most important part of this system.



6. CONCLUSIONS

However, in the next two billion years, temperatures will skyrocket, and if living beings do not adapt, or do not leave the planet in time, the life itself will disappear. We will have to find another habitable planet. Until then, we must save ourselves, we must take care of this planet, to cherish this "pale blue dot".

Earth, as seen from Voyager, 3.7 billion miles away

THAT'S US...
YOU AND ME AND EVERYONE

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THANK YOU!

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