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*is it cool to burn
fuel?*



IN 2014, A RECORD 37 GIGATONS (GT) OF CARBON DIOXIDE WAS RELEASED TO THE ATMOSPHERE FROM BURNING COAL, OIL, AND NATURAL GAS, AND MANUFACTURING CEMENT.



Global warming is the gradual heating of Earth's surface due to effect of greenhouse gases such as carbon dioxide, methane, nitrous oxide, fluorinated gases, and other gases. The burning of fossil fuels releases carbon dioxide emissions that pollute the atmosphere and trap heat in Earth's surface. Deforestation, agricultural farming, transportation methods, and industries and contribute to carbon or methane emissions that create a sort of blanket in the atmosphere, preventing the heat from the sun to escape and trapping it in the atmosphere and warms the globe. The trapped heat, warms the temperature of the air, warms the oceans, melts the polar ice caps and several other effects.

What Is Global Warming?

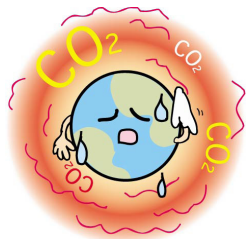
The result of global warming are changes in rain and snow patterns, changes in animal migration and life cycles, less snow and ice, stronger storms, higher temperatures and more heat waves, more droughts and wildfires, thawing permafrost, damaged corals, rising sea levels, warmer oceans, and changes in plant life cycles. The industrial revolution, beginning in the 18th century, is what really set off the emissions of greenhouse gases in our atmosphere with the burning of coal. The warming trend is very likely human-induced and is proceeding at an alarming high rate. Scientists have concluded that human activity over the past 50 years have warmed the planet. It is hard to pass laws for climate change issues because there are many climate deniers in office and most of them are apart of the fossil-fuel industry. This primarily affects the environment and every living person because people are breathing the polluted air that can lead to health issues.

An aerial photograph showing a massive, white ice sheet that has cracked into large, irregular sections. The cracks are deep and dark, revealing the underlying surface. The ice appears to be melting, with some areas showing a darker, wetter texture. The sky above is a clear, pale blue. The overall scene conveys a sense of scale and the impact of climate change on the environment.

**GLOBAL WARMING
AFFECTS ALL REGIONS
AROUND THE WORLD**

Facts

- ▶ The industrial activities that our modern civilization depends upon have raised atmospheric carbon dioxide levels from 280 parts per million to 400 parts per million in the last 150 years
- ▶ Carbon dioxide is probably the best known greenhouse gas, but methane, nitrous oxide and fluorinated gases also play a role in driving climate change
- ▶ The 2001-2010 decade is the warmest since 1880—the earliest year for which comprehensive global temperature records were available
- ▶ Global warming affects show spring is occurring 10 days sooner than it has in the past. This could cause flooding from reservoirs filling too soon, and droughts where there's not enough precipitation to provide adequate nourishment for crops.
- ▶ As more carbon dioxide is trapped in the atmosphere, breathable air becomes harder to come by. If global warming continues, the U.S. is looking at 60 billion dollars to combat respiratory diseases and symptoms.
- ▶ Due to global warming and pollution, coral reefs are suffering the worst bleaching with the highest dying record since 1980.
- ▶ The United States is responsible for 80% of the total amount of fossil fuel consumed every year.
- ▶ In 2007, a report from the IPCC revealed that sea levels will have risen 7 to 23 inches by the end of the century due to global warming. This is because as the ice caps melt due to the heat trapped in the atmosphere, the sea levels rise.
- ▶ The increase in the amount of carbon dioxide in the earth's atmosphere is a contributing factor to the increase of the world's temperature at a rate of three times faster than the rate 100 years ago.



Opinion

I believe that global warming is a very important topic that everyone should be aware about because of how we are harming our own planet and our conditions of living. It is important to become educated on how we are contributing to the greenhouse emissions in our atmosphere and to learn how we can stop or limit the burning of fossil fuels if we really care about the planet and our safety. Often times people aren't aware of the effects of their actions and how they are harming the planet so they don't see the harm in it. If people were to really pay attention to researchers and did their own research they would see how much we have hurt the planet and how fast we are destroying it.

After learning all the effects and consequences, I have become more concerned with the health of our planet and care more about the environment. Oceans are rising, ice caps are melting, wildlife are becoming extinct, the air is becoming harmful to breathe, and more natural disasters are occurring and it's all due to global warming. Knowing that I and everyone can help make a difference makes me wonder why more people aren't aware of these conditions. I want future generations to be able to see the beauties of this planet but if we keep doing what we are doing, all the beautiful things will be gone and nature will be destroyed for good.

Solutions

To help global warming from proceeding, humans must take action now! Soon it will be too late to turn around the damages done so there is no time to wait and we must start changing our ways. First, it is important to become educated on the issue so then you can educate others and spread the awareness. If enough people become concerned and push to make a change, we can lobby the government to

make climate change laws to regulate the emissions of the greenhouse gases. We can also vote for a carbon tax which will put a price on how much carbon dioxide goes into the air and prevent people from emitting a lot of this because they won't want to pay a lot of money. It will force them to reduce their emissions and seek a cleaner and safer way to get energy.

Other ways you can help the earth from global warming is to reduce emissions and invest in cleaner energy. Countries like Germany and China have invested in going solar and if the U.S. goes solar many believe that other countries will follow and invest in cleaner energy sources because the U.S. is one of the leading countries in the world. Encourage wind and solar power over burning coal and fossil fuels. Consuming differently can help by not consuming as much meat because cattle emit almost all the methane in the air and because 10 percent of U.S. energy goes to growing, processing, packaging, and shipping food. Voting for leaders and officials that acknowledge climate change and will fight for it can also help. Lastly, conserving water, energy, reducing waste, recycling, and replanting are easy tasks you can incorporate into your daily lives to help save the planet.

A silhouette of a bare tree stands in the center of a hazy, yellowish landscape. The background shows rolling hills and a bright, hazy sky, suggesting a sunrise or sunset. The overall tone is somber and environmental.

**NO POLLUTION IS THE
SOLUTION!**

TAKE ACTION NOW!



Sources

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