

CLIMATE CHANGE

-A simplified edition-



❖ *The Causes, Effects and solutions to climate change.*

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What we all have to know about Climate Change.

It's unfortunate that most people in Uganda don't really know what climate change is, what causes it, the effects or how it can be managed.

This is a big challenge that the whole planet is facing and if not managed well, it could lead to non-reversible effects that could not only lead to extinction of the human race but also the planet as a whole.

“Climate change is in simple terms the long term shift in weather conditions identified by changes in temperature”

It includes both global warming driven by human activities such and emissions of green house gases through burning of fossil fuels.

The largest driver of warning being the emission of these green house gases Such as carbon dioxide, Methane, Nitrous oxide etc.

As much as there are natural factors leading to climate change, the human activities contribute to the largest percentage. And this should be handled and controlled with immediate effect.

The increased emission of these green house gases in particular carbon dioxide has made the earth warmer since it stays in the atmosphere for a very long time.

This happens because the green house gases affect the flow of energy coming into and leaving the earths climate system.

These high temperatures are coming with disadvantages such as:

- 1. Drought*
- 2. Insect outbreaks*
- 3. Wildfires*
- 4. Declining water supplies*
- 5. Reduced agricultural yields*
- 6. Health impacts.*

Note: “**Climate change** can threaten human **security** by impacting economic growth, food price stock, undermining livelihoods, and prompting displacement. ... **Climate change** has been identified as a **threat multiplier**, which can exacerbate existing threats”.

With this in mind, we all have to collectively put our hands together to protect and save our planet and all the livelihood on it.

This can be done through these methods that I've proven to be effective in the long Run.

- *Global warming can only be stopped by reducing global emissions of carbon dioxide from human fossil combustion.*
- *Healing the planet starts in your garage, kitchen and home generally. Change can only happen when individuals take action.*
- *Speak up- inform everyone about climate change and it's impacts.*
- *Power homes with renewable energy. For example, generate half of the power from wind and solar.*
- *Invest in energy efficient appliances.*
- *Reduce on the wastage of water. This is so because saving water reduces carbon pollution. This happens because it takes a lot of energy to pump and heat water. Hence opt for taking shorter showers.*
- *Buy LED bulbs. Cheap in the long run.*
- *Drive a fuel efficient vehicle.*

Food for thought....

- Four billion **years** from now, the increase in the **Earth's** surface temperature **will** cause a runaway greenhouse effect, heating the surface enough to melt it. By that point, all life on the **Earth will** be extinct.
- U.N. report: **1 million species** of animals and plants face extinction due to climate change and human activity - CBS News.

- **Global warming** has the potential to **cause extinctions** in a majority of the world's especially valuable ecosystems.
 - In **300 million years** or less, it may become very inhospitable for life to continue to exist on the land, and if we leave it alone, evolution may encourage life to return to the sea where the climate will be a bit more moderate. As for humans, we may adapt to living on the land, or we may decide to leave the planet.
- ❖ *The above facts are just some of the few insights scientists and researchers have provided showing how bad the impact of climate change is on the planet now and in the future.*

What is being Done?

- Some are focusing on curbing deforestation
- boosting renewable energy sources.
- Several nations are experimenting with cap-and-trade plans: Regulators set mandatory limits on industrial emissions, but companies that exceed those "caps" can buy permits to emit from companies that have allowances to spare.

Read more from

<https://www.nationalgeographic.com/environment/article/global-warming-solutions>

Note that:

- ❖ This is still not enough until when everyone is environmentally responsible since this is a necessary step for all people in order to save the parts of nature that we have left.

- ❖ Let's be aware and let's start acting now to protect our Mother Nature.

***Regards,
Pelindah.***

