

# Climate

# Change

# What is Climate?

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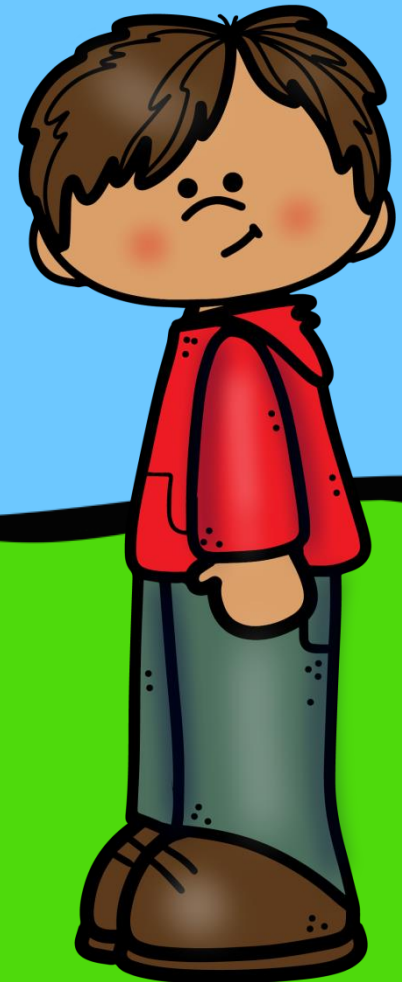
Climate refers to a pattern of weather in a given area over a longer period of time. It takes into consideration things like temperature, wind speed and precipitation (rainfall).

# Types of Climate

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Climate can be classified in different regions of the world as:

- Tropical
- Dry
- Temperate
- Continental
- Polar



# What is Climate Change?

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A cartoon illustration of a young girl with brown skin, wearing glasses, a pink shirt, and blue pants. She has two long braids and is smiling. She is standing on a green field with a blue sky in the background.

Climate change refers to long term changes in temperatures and weather patterns. Sometimes these changes in weather patterns may be natural.

# What is Climate Change?

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However, since the mid-20th century, the main cause of climate change has been human activity, especially the burning of fossil fuels, like coal and gas, which produce heat-trapping gases. Climate change is sometimes referred to as "Global Warming".



# Effects of Climate Change

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Examples of the effects of climate change are:

- Increased temperatures
- More severe storms
- Increased drought
- Rising sea levels
- Melting ice caps
- Risks to species of animals
- Changes in food production

# Climate Change

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Climate change can affect everyone in their daily lives including hotter temperatures, changes in precipitation, increases in extreme weather events (eg. storms), rising sea levels due to the melting of ice caps in polar regions.







The United Nations (UN) held its annual Climate Change conference in Dubai in November/December 2023 attended by leaders from 200 countries worldwide. The conference attempted to get agreements from all countries on how to stop or slow down the effects of Climate Change.

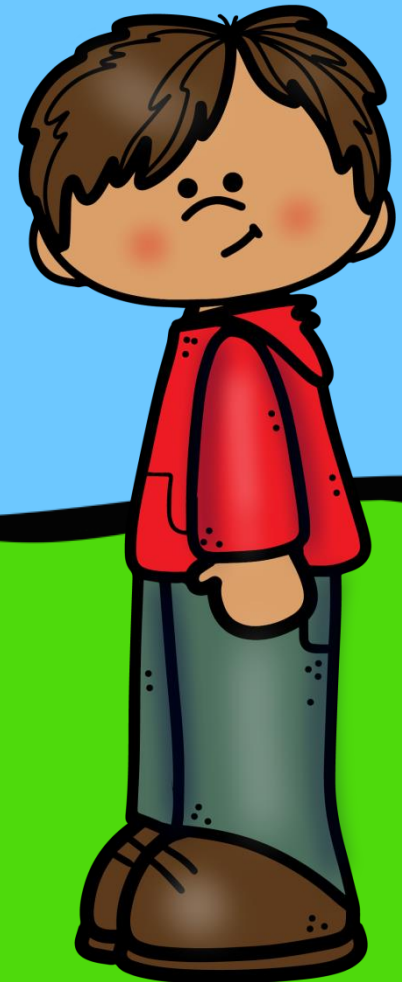


# COP28 Agreements

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Countries at COP28 agreed to:

- Move away from fossil fuels like coal, oil and gas to provide energy
- Reduce the amount of methane gas released
- Try to cut carbon emissions by 43% by 2030 to ensure that global temperatures don't rise beyond 1.5 degrees of warming



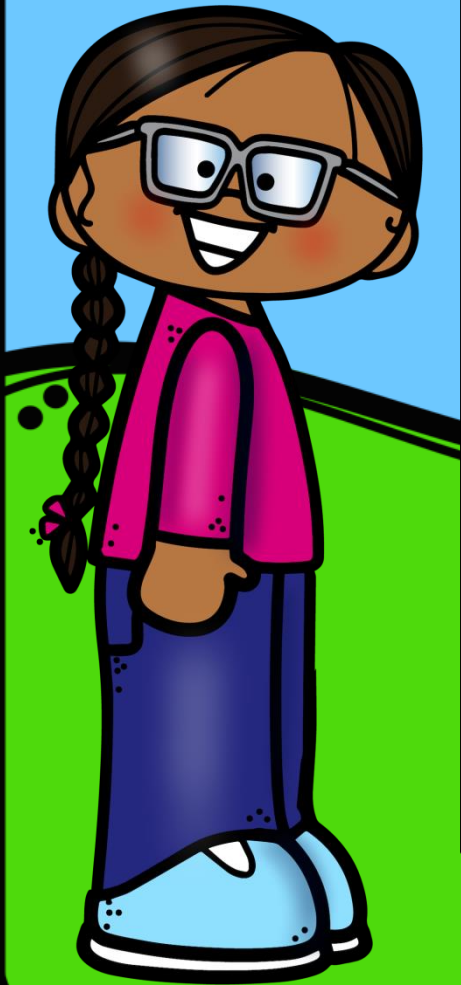
# COP28 Agreements

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Countries at COP28 also agreed to:

- Set up a fund to help vulnerable countries experiencing the adverse effects of climate change
- The importance of conserving, protecting and restoring nature and ecosystems

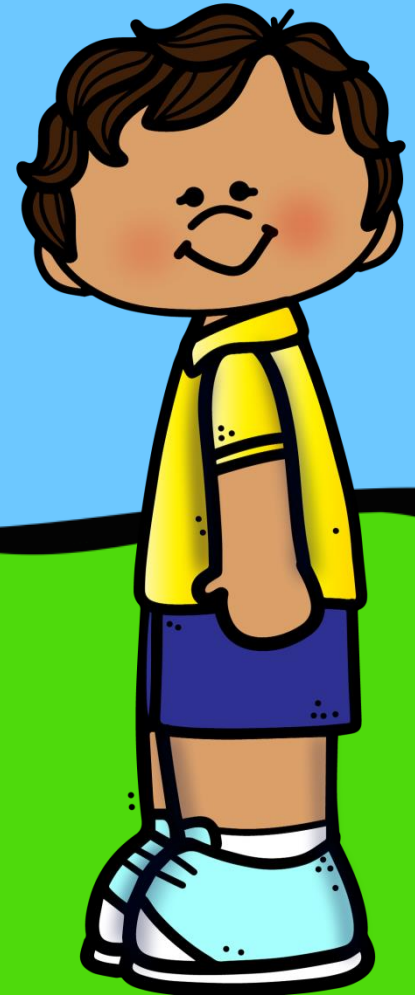
These agreements will be reviewed at COP29 in Baku, Azerbaijan in November 2024.



# Climate Action

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Children can take simple actions to help reduce the effects of Climate Change. The small changes made by everyone can help to save our planet for future generations. You are called to be a “Climate Hero” to help save our planet.



# What Can You Do?

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- Walk or cycle rather than using a car
- Save energy at home by turning off things not being used eg. lights, computers etc.
- Reduce, Reuse, Repair, Recycle
- Eat more vegetables
- Throw away less food
- Change your family's source of energy

# What Can You Do?


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- LOLO – Last Out, Lights Off
- Take shorter showers
- Plant more trees
- Close doors to stop heat escaping
- Grow your own fruit and vegetables
- Replace old light bulbs with newer CFL bulbs



# What Can You Do?

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Lastly, talk to others about the effects of climate change on the planet. Convince them to also make small changes so that, together, we can all:

**MAKE A DIFFERENCE**  
and  
**BE THE DIFFERENCE**

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