

Climate

Change

What is Climate?

1

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).

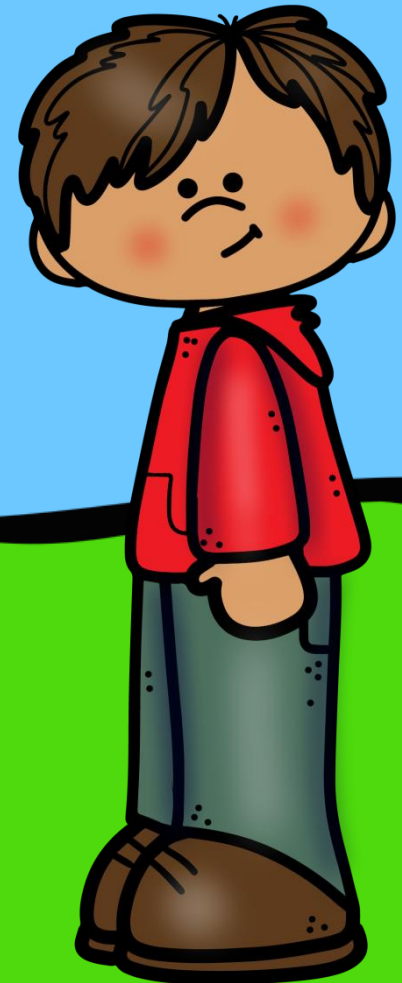


Types of Climate

2


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

- Tropical
- Dry
- Temperate
- Continental
- Polar



What is Climate Change?

3



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?

4

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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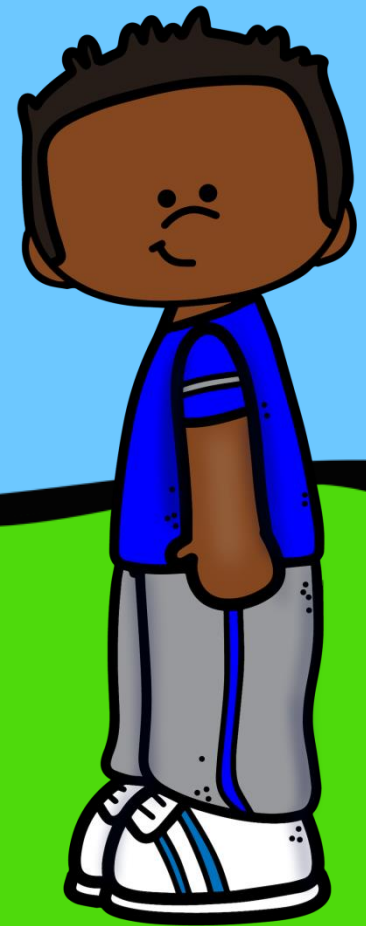
Examples of the effects of climate change are:

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

Climate Change

6

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.





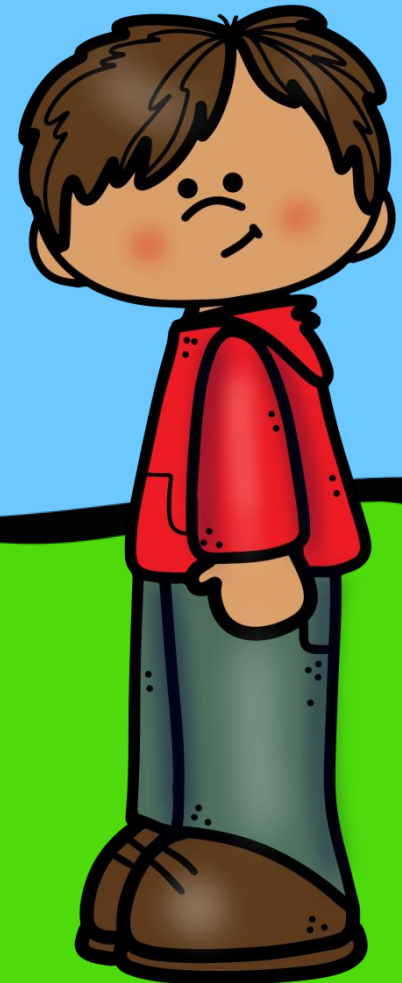
The United Nations (UN) held a Climate Change conference in Glasgow, Scotland in November 2021 attended by leaders from 120 countries worldwide. The conference attempted to get agreements from all countries on how to stop or slow down the effects of Climate Change.

COP26 Agreements

8

Countries at COP26 agreed to:

- Try to cut carbon emissions to ensure that temperatures don't rise beyond 1.5 degrees of warming
- Try to phase out the burning of coal
- Give more money to developing countries to help them deal with the effects of climate change



COP26 Agreements

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Countries at COP26 also agreed to:

- Stop deforestation by 2030
- Try to cut methane emissions by 30% by 2030
- Phase out government subsidies for fossil fuels

These agreements will be reviewed at COP27 in Sharm-El-Sheikh, Egypt in November 2022.



Climate Action

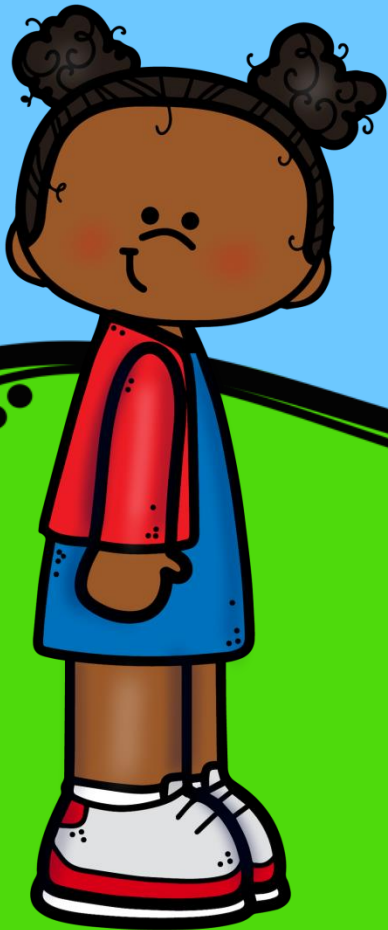
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Children can take simple actions to help reduce the effects of Climate Change. The small changes made by everyone can help to save our planet for future generations. You are called to be a “Climate Hero” to help save our planet.



What Can You Do?

11



- 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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Kind regards, Seomra Ranga

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