



## 13 CLIMATE ACTION



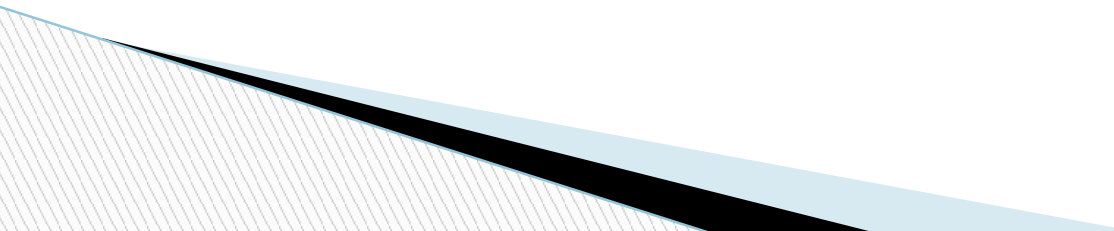
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To take urgent action to tackle climate change and its impacts

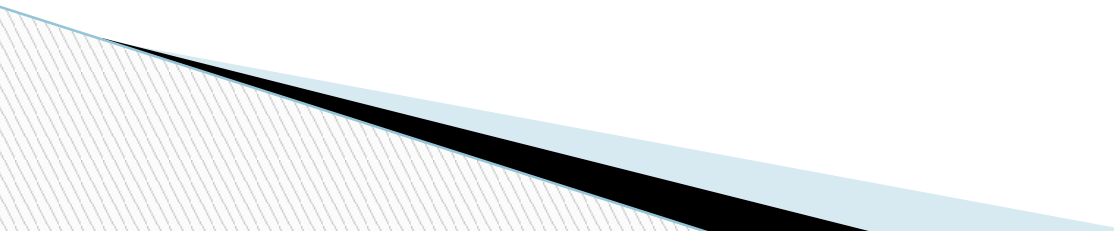


# 13. Climate Change

# CONTENT

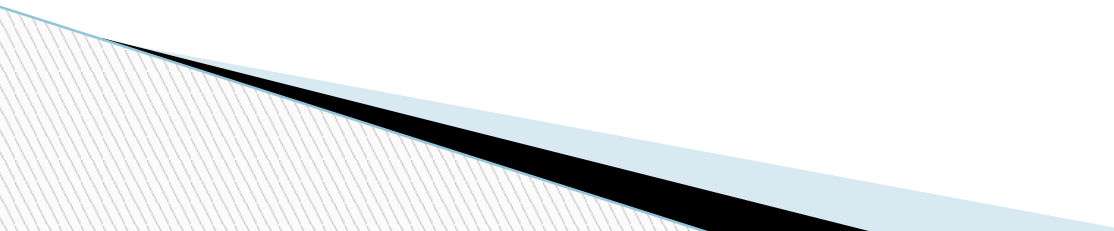
- ❖ Introduction
  - ❖ Definition of Climate Change
  - ❖ Causes of Climate Change-  
Natural Causes & Human Causes
  - ❖ Effects of Climate Change
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# Introduction

- Climate change is the change in our weather patterns that are occurring because of an increase in the earth's average temperature.
  - **It is also known as global warming.**
  - Climate change may result from both natural and human causes though the human causes appear to be increasingly responsible for climate change over the past few decades
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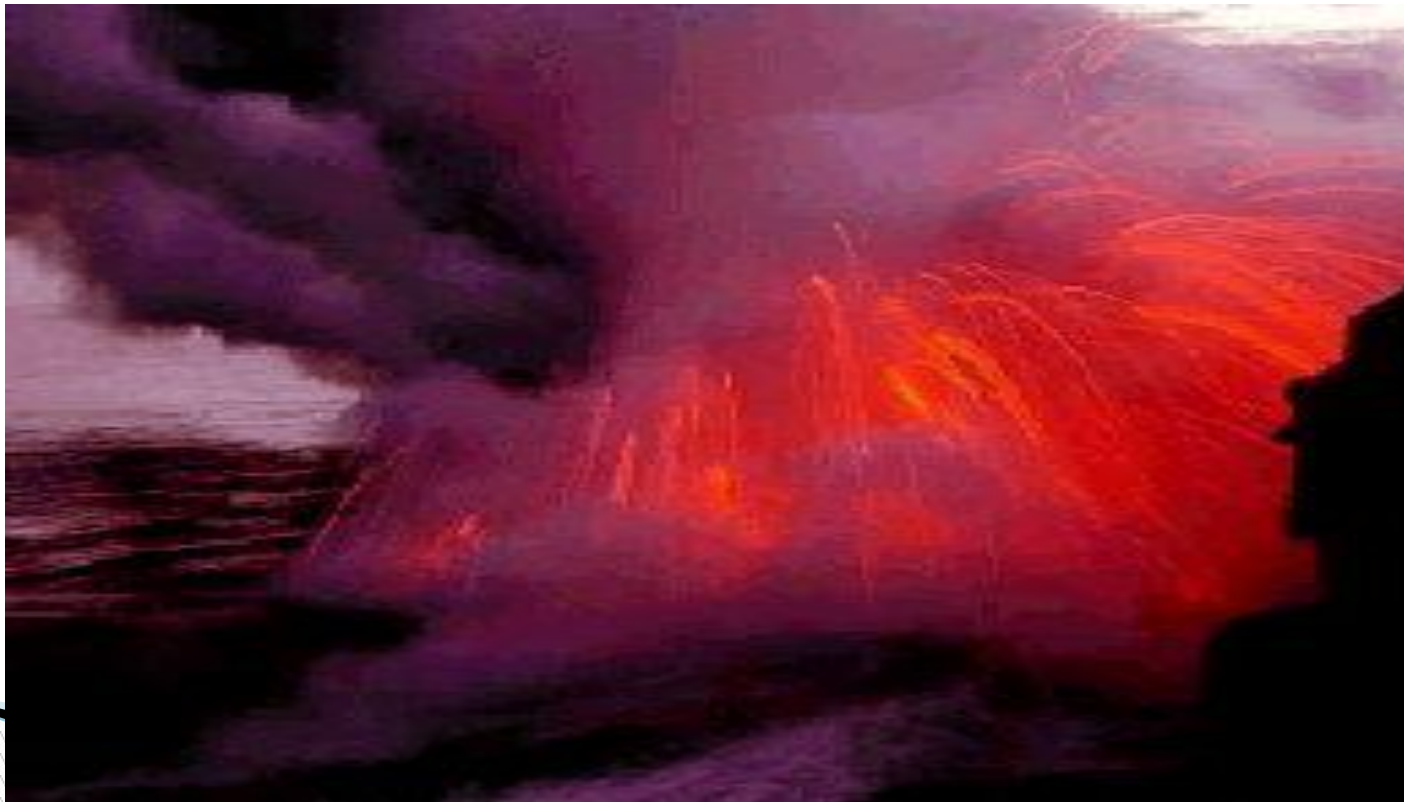
# Definition of Climate Change

? “ It is a change which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere and which is in addition to natural climate variability observed over comparative time periods”



# Causes of Climate Change

- NATURAL CAUSES
  - Volcanic eruptions



# Ocean currents

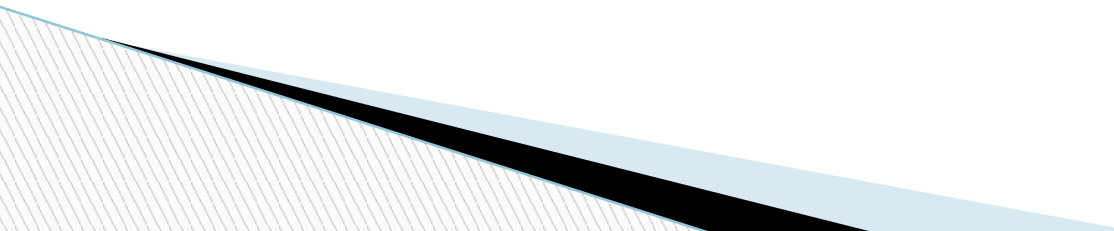


# Solar Variation





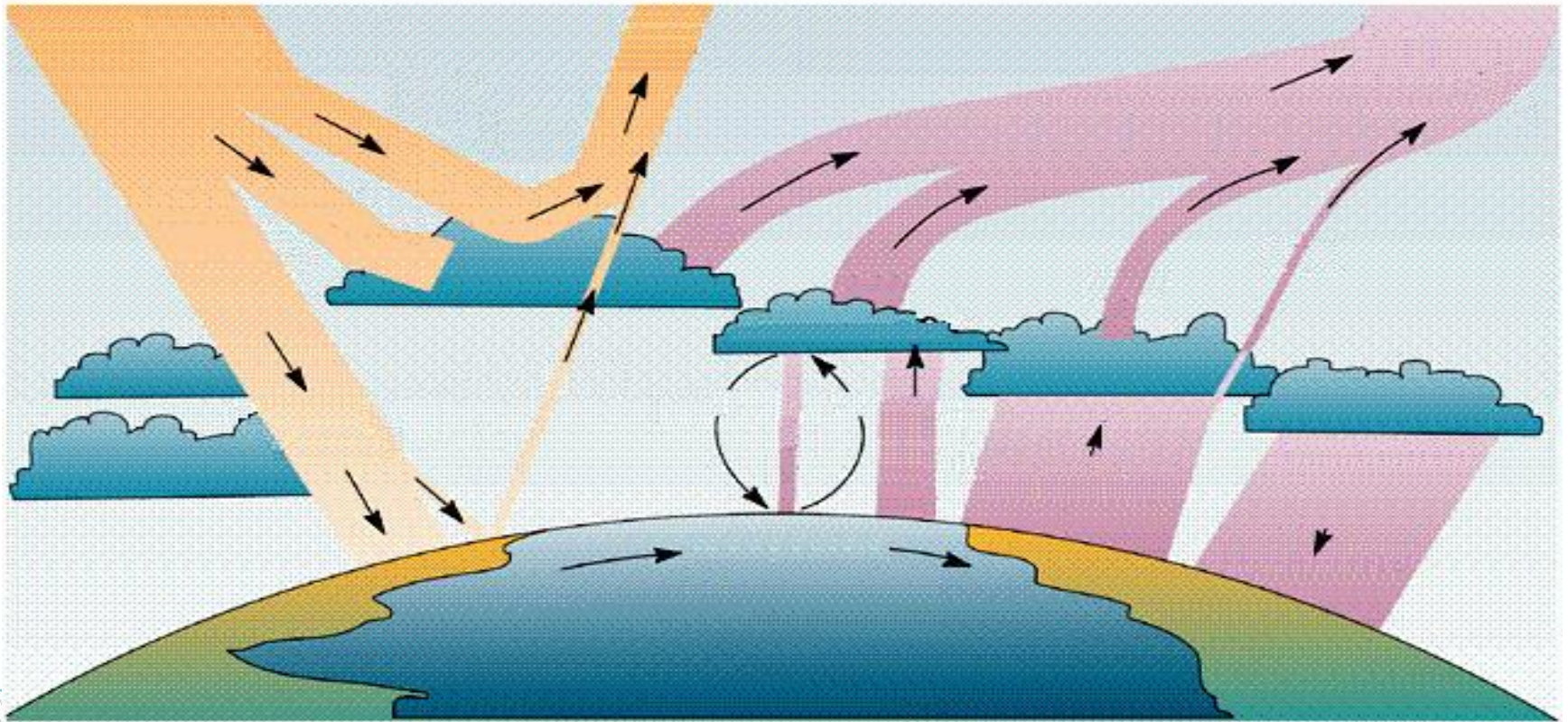
□ HUMAN CAUSES (Anthropogenic or Man-made causes)

- Greenhouse gases
  - Deforestation
  - Coal mining
  - Burning of fossil fuels
  - Industrial processes
  - Agriculture
- 



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# The Greenhouse Effect





# Deforestation



# Coal Mining



# Burning of Fossil Fuels





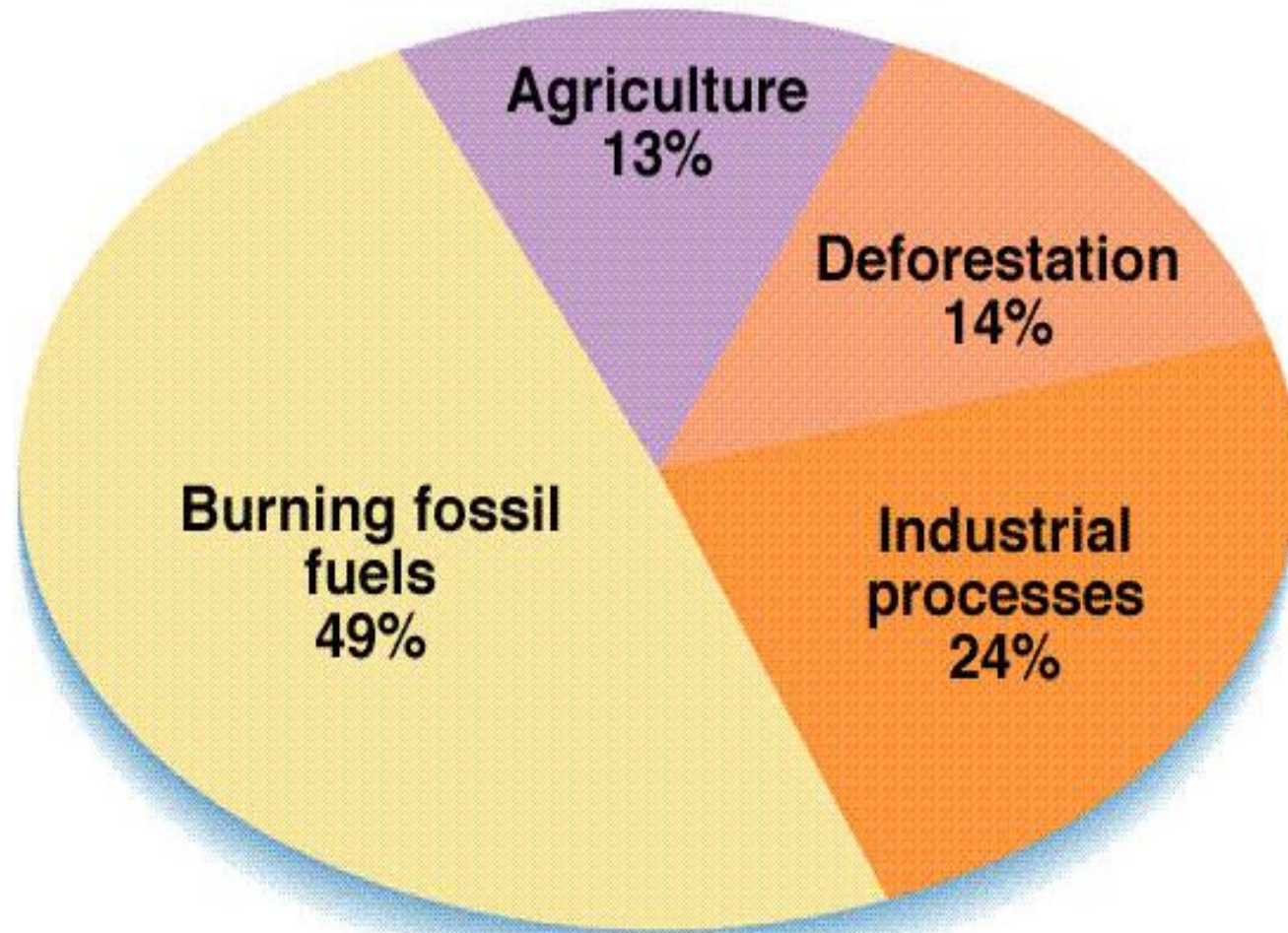
# Industrial processes



# Agriculture



# Global Warming & Humans





# Effects of Climate Change

## RISE IN SEA LEVEL



Melting ice sheets □ *Sea level rise*

# Heavy rainfall across the globe





# Extreme drought



# Decline in crop productivity



# Ecosystems are changing

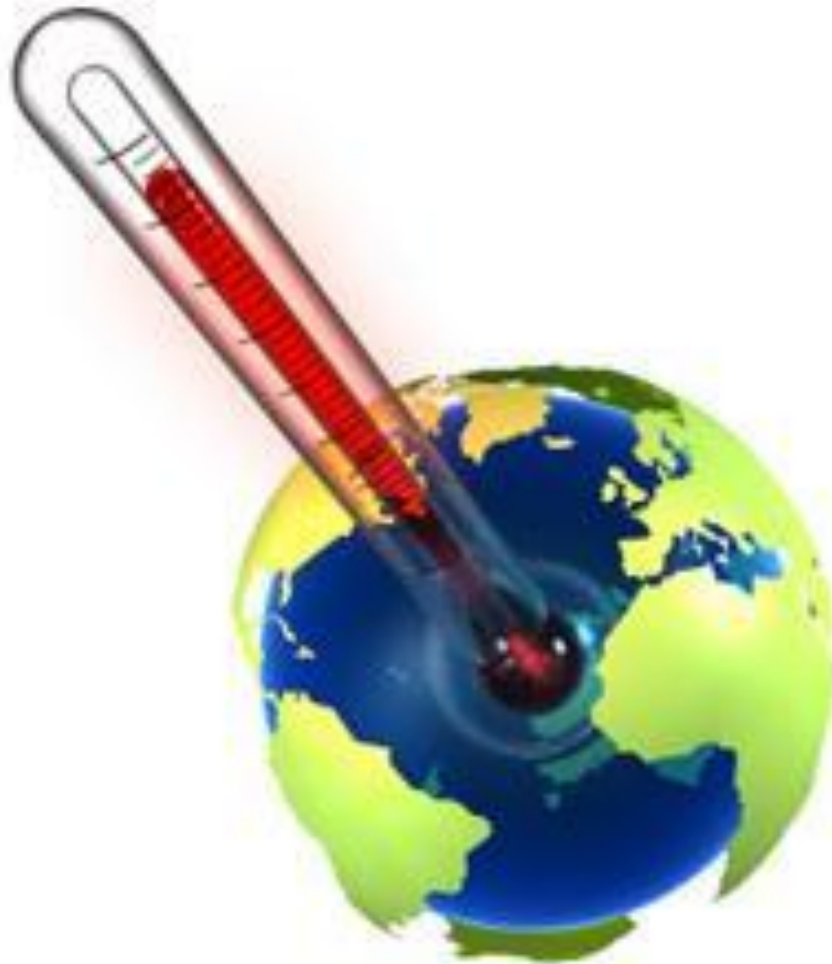




# Hurricanes

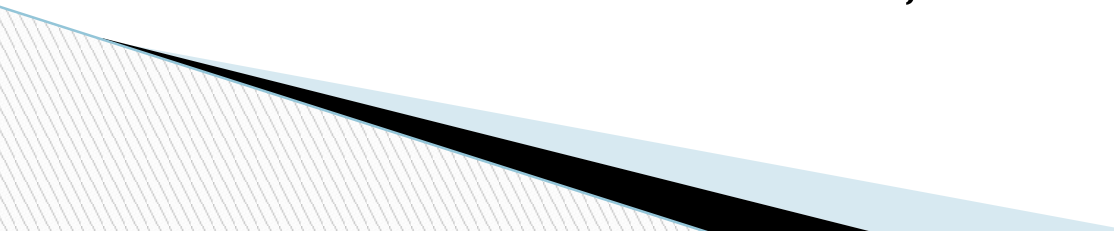


# Rise in temperature





# Conclusions

- ? Based on the results we got about our carbon footprints, we discussed different ways to reduce it without losing quality of life.
  - ? We found out it's quite hard, as new technologies aren't always available in the market and are usually really expensive.
  - ? In our country we can see many direct consequences of climate change: we've recently suffered from floods, droughts, we have hotter summers and colder winters (others even had snowfall in their cities, which is really unusual!).
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**Thank You**

