

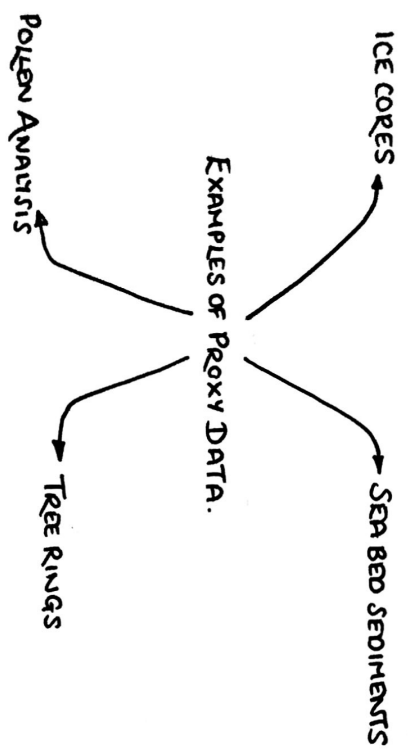
CLIMATE CHANGE

Definition of Climate Change:

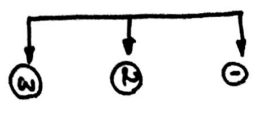
Past Changes in Climate?

EVIDENCE FOR PAST CLIMATE CHANGE

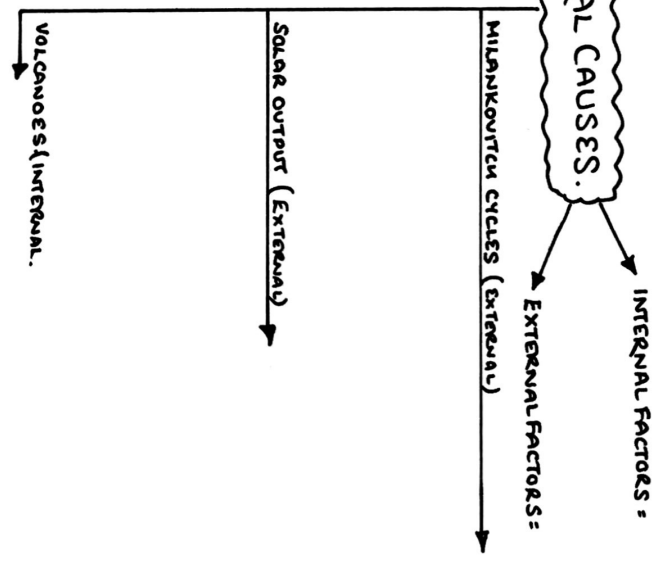
What is Proxy data? Why needed?



Other evidence for Changing Climate?

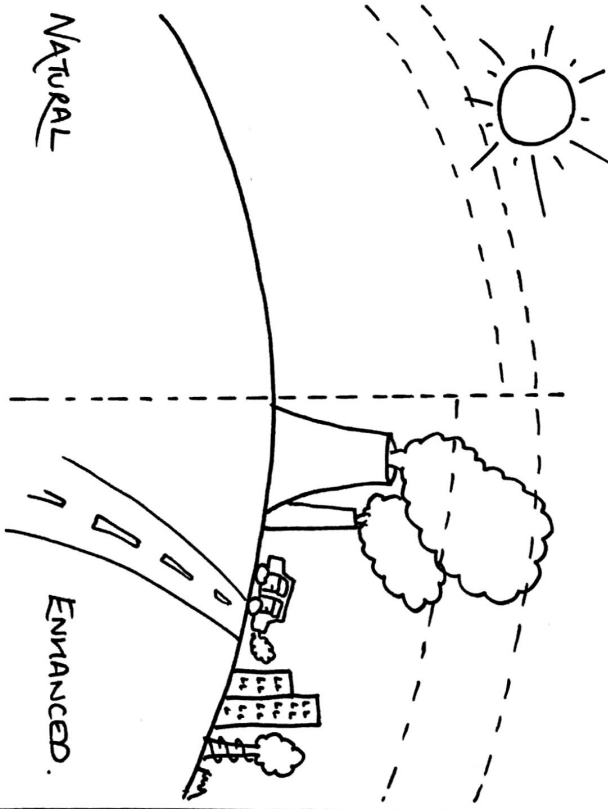


① NATURAL CAUSES.



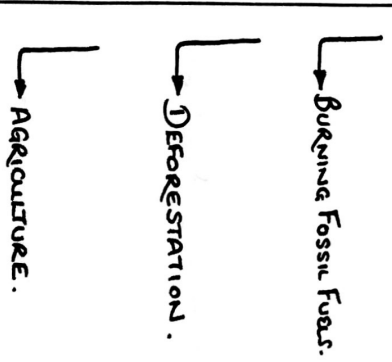
② HUMAN CAUSES.

The Enhanced Greenhouse Effect



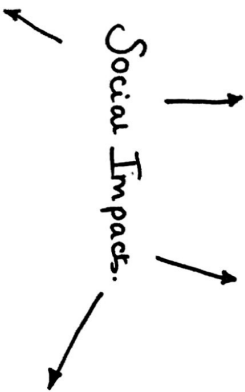
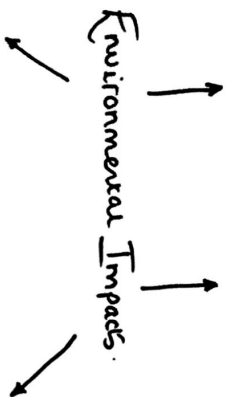
Major Greenhouse Gases - CO_2 / CH_4 (methane).

Human cause of ↑ GHGases.



CLIMATE CHANGE IMPACTS

(Remember specific examples/facts)



- There could however potentially be longer growing seasons in some areas further N → increase yields.

- Low sea ice in Arctic Ocean may open up possibilities for shipping/mineral extraction.

MANAGING CLIMATE CHANGE

Key Definitions: ① MITIGATION.

② ADAPTATION.



MITIGATION STRATEGIES.

- ③ Planting Trees
- ④ International Agreements.

BOTH are important.

Even if mitigation reduces CO₂ levels - we are already experiencing climate change and places are experiencing effects they need to adapt to



ADAPTATION STRATEGIES

- ① Adapting Agricultural Systems.
- ② Managing Water Supply
- ③ Reduces Risk from Sea Level Rise.