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**IMPACTS**



**SOLUTIONS**



**POLICY**



**We know climate change  
is happening now.**



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**But since the industrial revolution,  
human activity has caused these gases  
to be released at abnormal rates**



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**In early 2009, researchers in Bolivia went to measure the Chacaltaya glacier to find that it had completely disappeared.**



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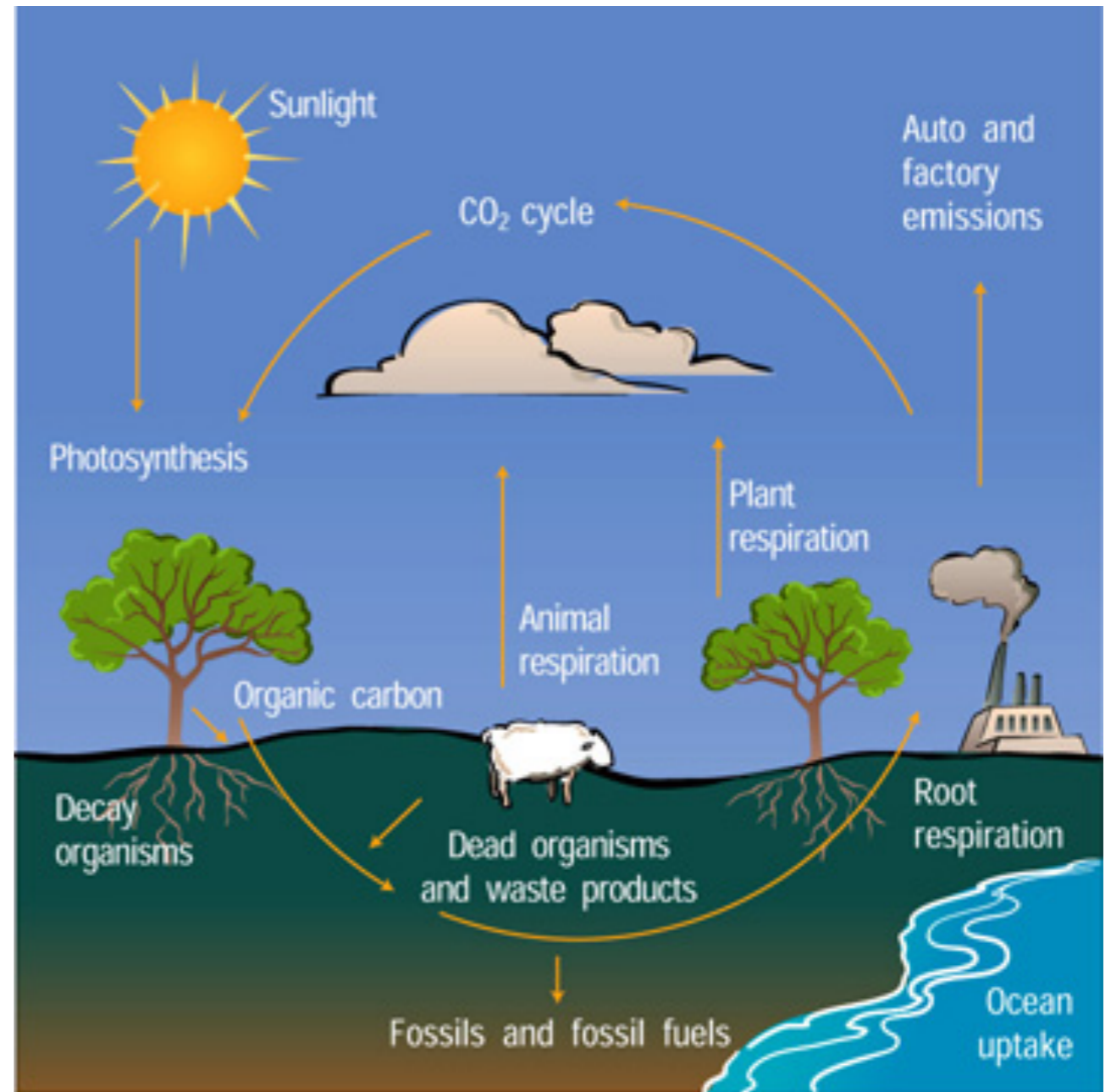
# What is climate change?

- **Climate is the average weather conditions of a place or area (or the whole globe) over a period of years**
- **'Climate change' is a long term change in the average weather**

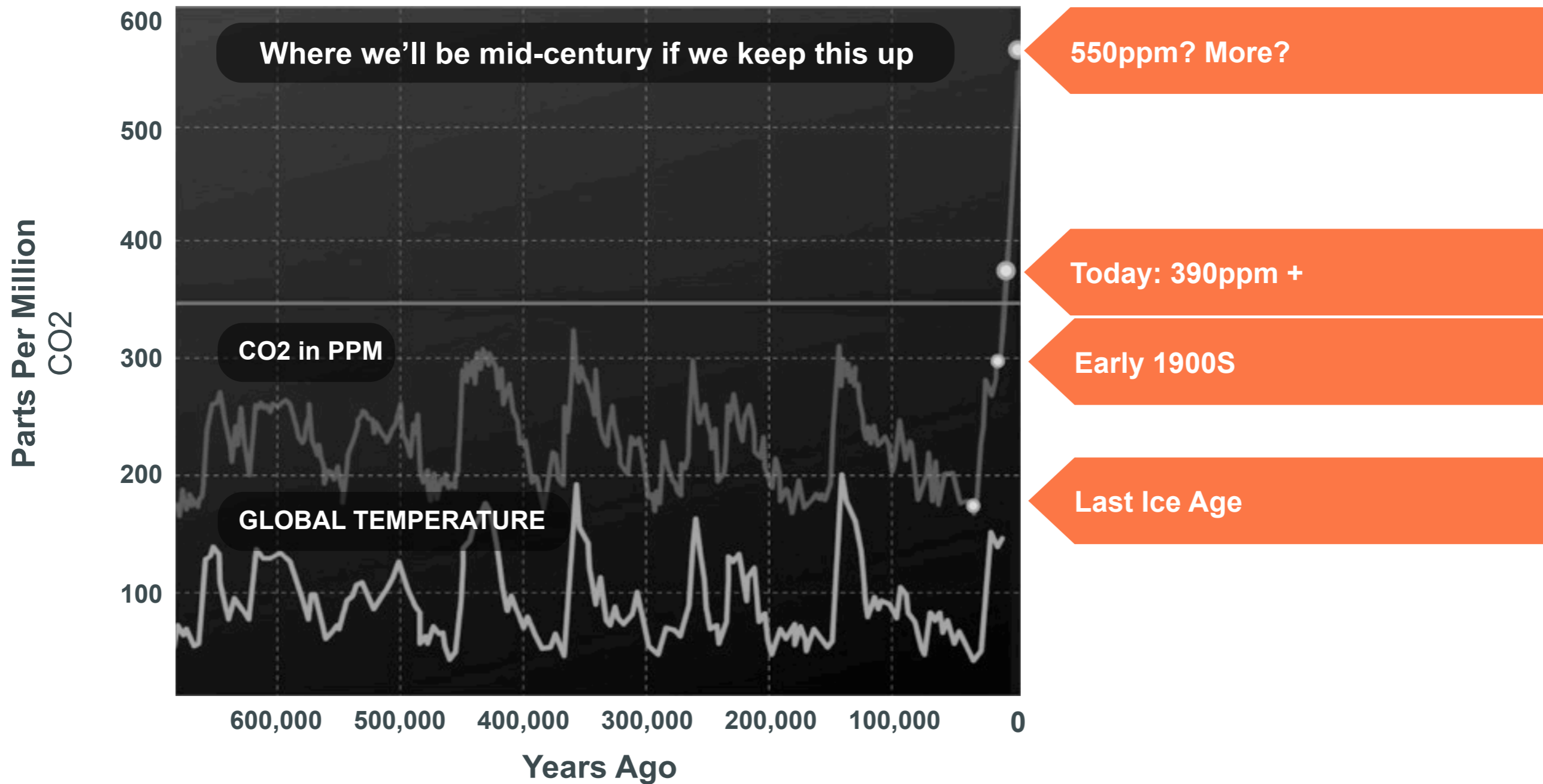


# The Carbon cycle

Burning fossil fuels releases carbon into the atmosphere that has been stored for millennia (and otherwise would stay stored there)



# Throughout our history, global temperature has followed greenhouse gas concentrations



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