

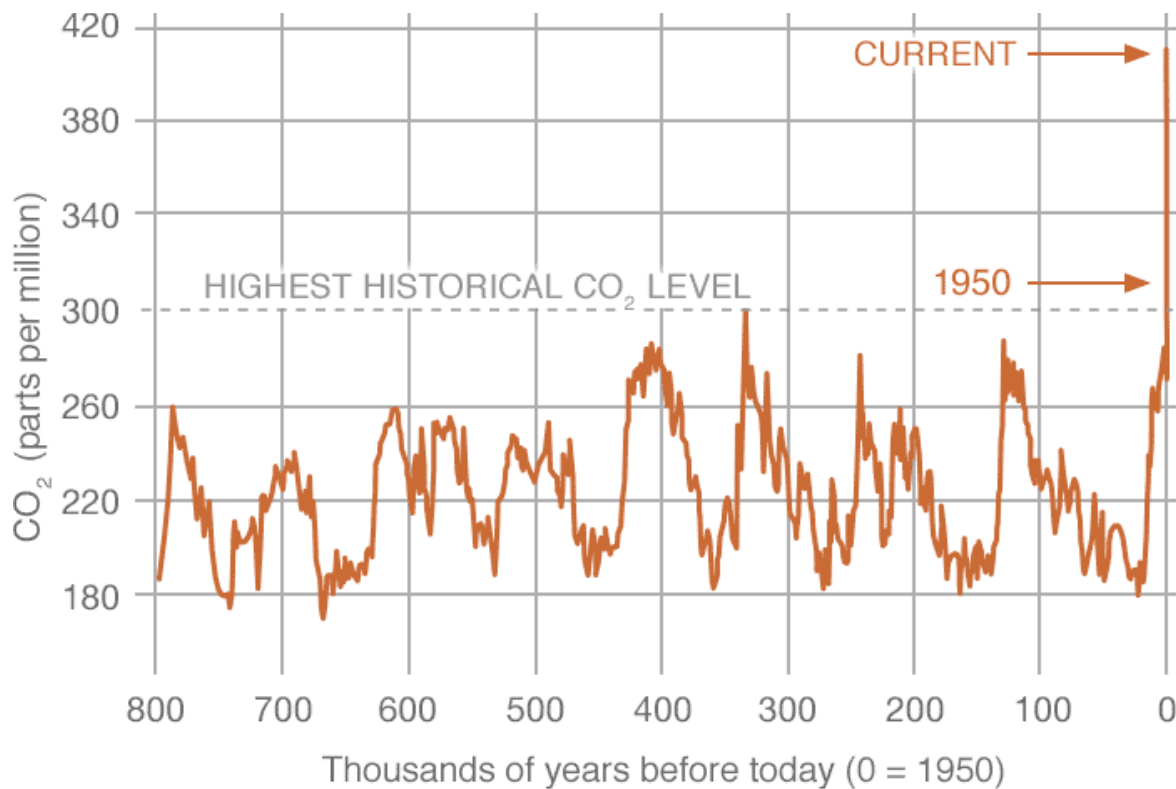
# Climate Graphs (Geography)

KS4



Below you will see two graphs from NASA's Global Climate Change unit. Using the information provided, please answer the questions to the best of your ability.

## Atmospheric Carbon Dioxide Levels:



Source: [climate.nasa.gov](http://climate.nasa.gov)

- 1) What trends can you see in the data?
- 2) Describe any anomalies in the above graph. Why is the year 1950 important and what does this graph tell the viewer?
- 3) Why is measuring atmospheric carbon dioxide important?

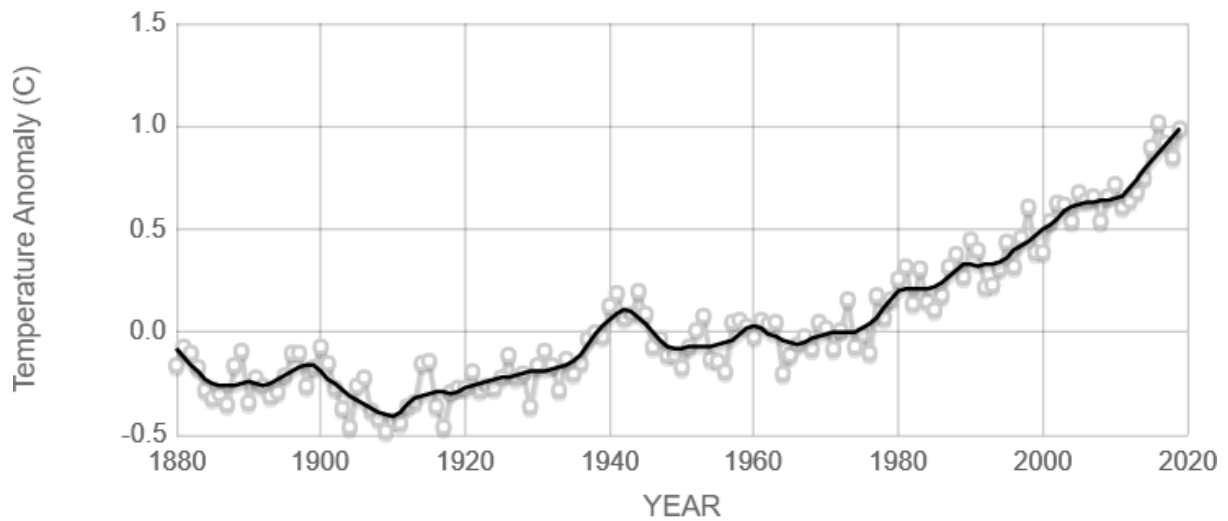
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## KS4



### Global Land-Ocean Temperature Index

Data source: NASA's Goddard Institute for Space Studies (GISS)



Source: [climate.nasa.gov](http://climate.nasa.gov)

EDUCATIONAL RESOURCE

- 1) What is this graph showing?
- 2) What years have the biggest increase in temperature occurred? Please ensure that you use evidence to support your answer.
- 3) 2016 marks the warmest year on record. How do you know?
- 4) What is the importance of measuring global surface temperature?
- 5) Looking at both the Atmospheric Carbon Dioxide Levels and Global Land-Ocean Temperature Index graphs together, what does the data show about our planet and what is the implication?