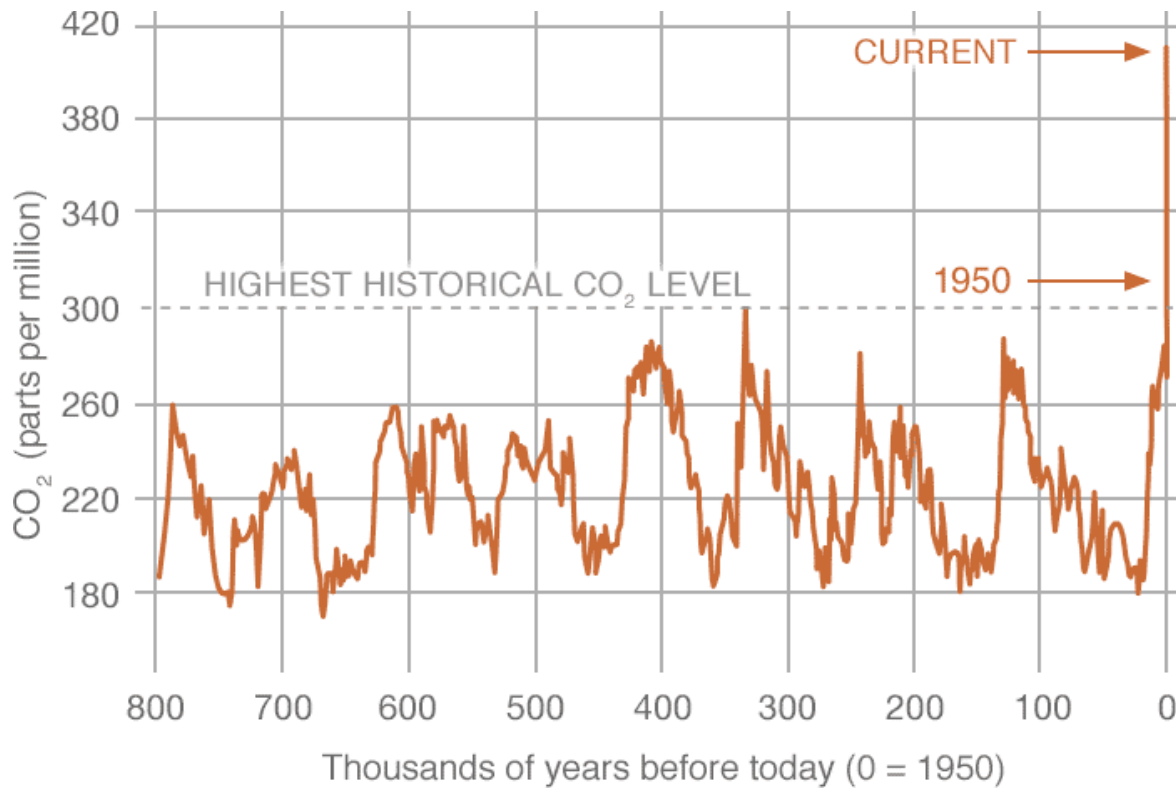


Climate Graphs (Geography)

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

- 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?

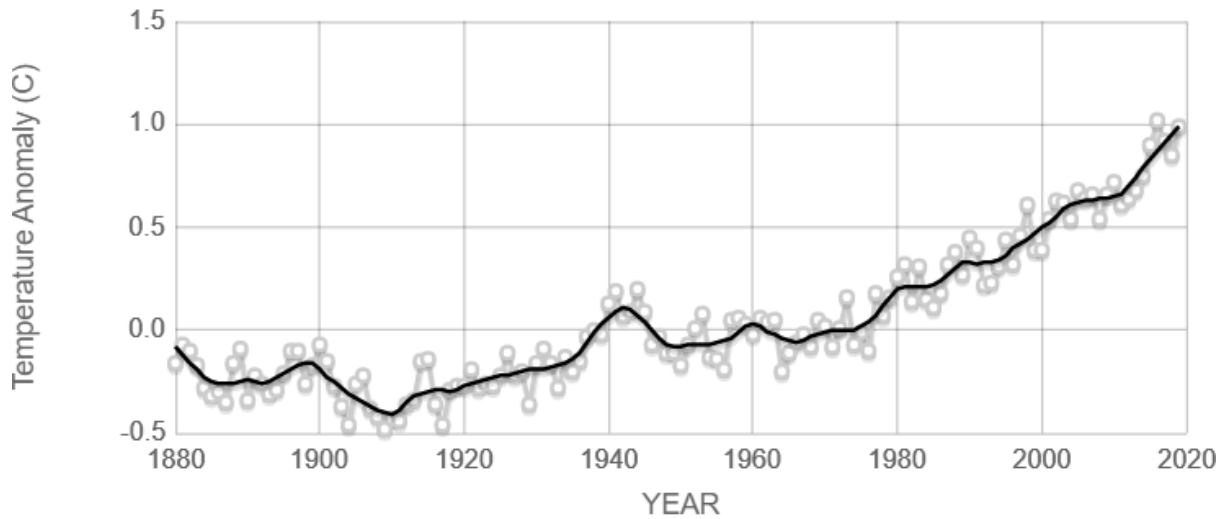
- 3) Why is measuring atmospheric carbon dioxide important?

Climate Graphs (Geography)

KS4

Global Land-Ocean Temperature Index

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



Source: climate.nasa.gov

- 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?