

4.4 Climate Change

Greenhouse Gases

Identify the most common greenhouse gas within the Earth's atmosphere

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List four other greenhouse gases

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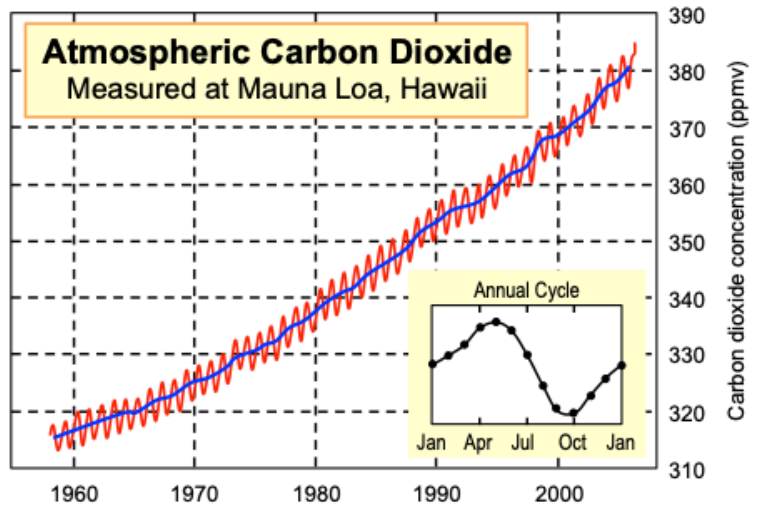
Identify the two main factors that determine the impact of a greenhouse gas

1.

2.

Describe the changes in atmospheric carbon dioxide levels detected at the Mauna Loa Observatory

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Climate Patterns

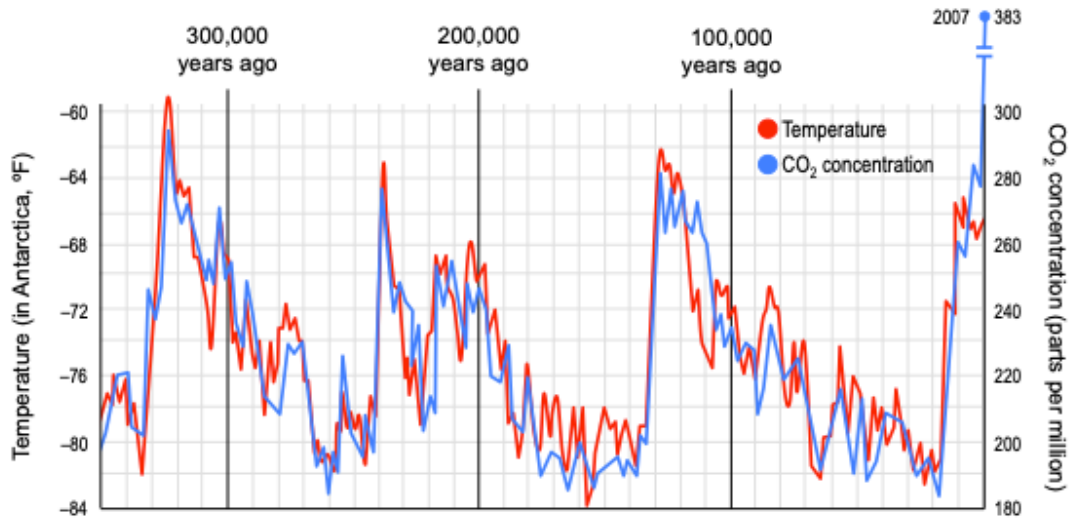
Explain the relationship between greenhouse gases and the greenhouse effect

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List three climate conditions that are influenced by greenhouse gases

- 1.
- 2.
- 3.

Analyse the data to describe the relationship between carbon dioxide levels and global temperatures



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Explain how increasing concentrations of atmospheric carbon dioxide threatens coral reefs

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List two arguments against human-induced climate change and provide a counterpoint to each

- Argument 1:
- Counterpoint:
- Argument 2:
- Counterpoint: