

8th grade Climate Changes: Global Warming, evidence

C-NOTES

Global Warming? Climate Change?

Climate is made up of two components:

Temperature

&

Precipitation

If anything affects one the other one changes too...

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Global Warming? Climate Change?

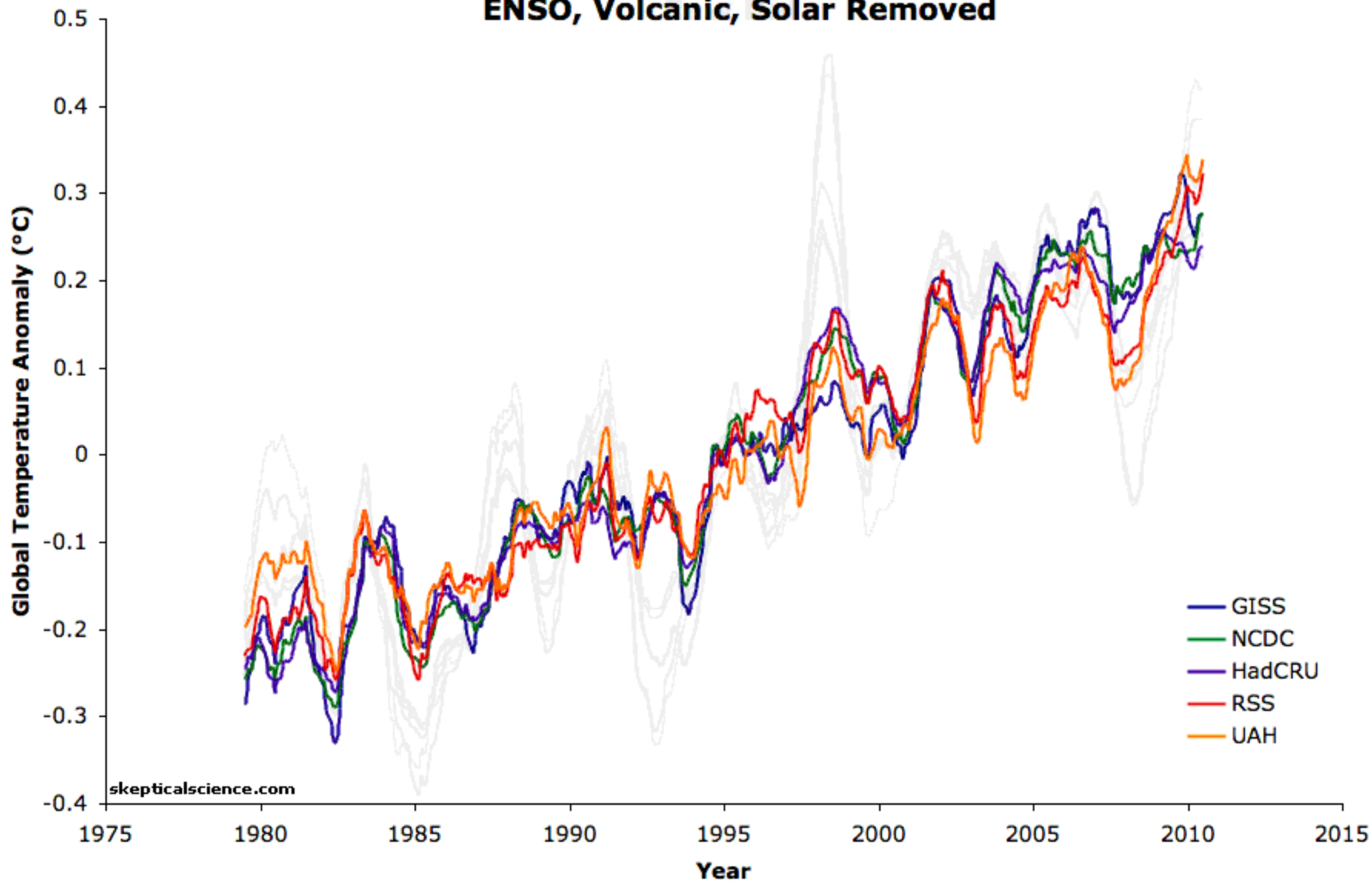
The big deal is that global warming causes TEMPERATURE to change. The temperature change will make climates change...

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Global Warming? Climate Change?

**Is global warming natural?
Yes....but the speed that
it's happening at is not.**

ENSO, Volcanic, Solar Removed



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Global Warming? Climate Change?

Greenhouse gases- trap infrared radiation.

The main gases are:

- Carbon dioxide**
- Water Vapor**
- Methane**
- Nitrogen compounds**

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Global Warming? Climate Change?

The more of those gases in the atmosphere, the more heat is trapped.

The one gas that has increased the most is....

CARBON DIOXIDE (CO₂)

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Global Warming? Climate Change?

**More CO₂= more warming
Human activity places
more CO₂ in the
atmosphere: burning fuel,
manufacturing...plus, we
get rid of more trees that
TAKE OUT carbon dioxide
from the atmosphere....**

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Global Warming? Climate Change?

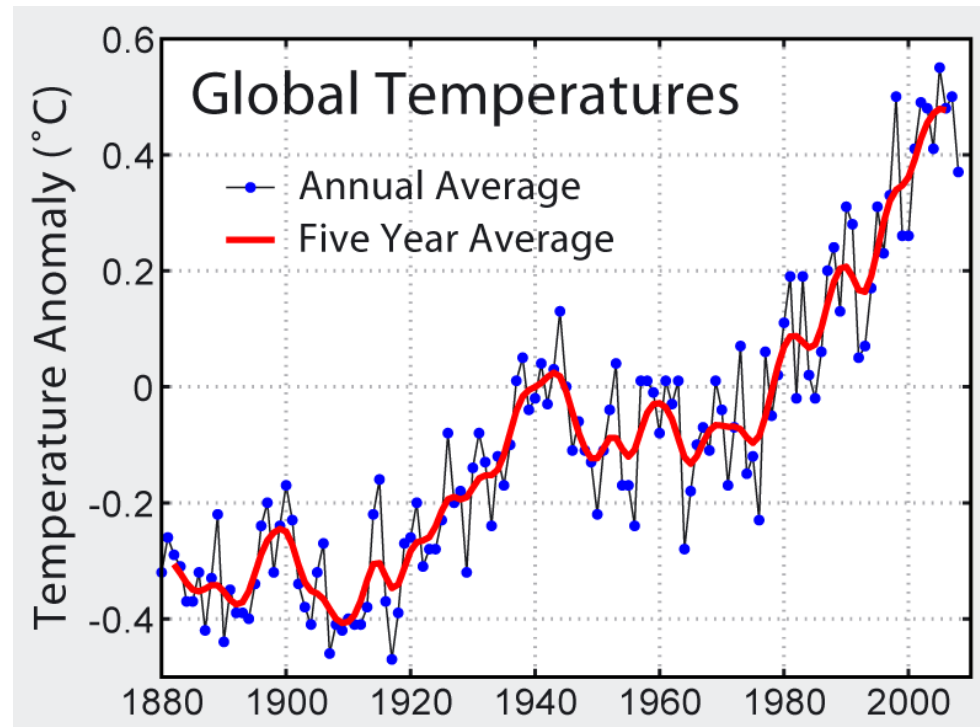
Evidence:

Historical evidence from ice cores and fossil evidence show that when there was more carbon dioxide in the air, temperatures on Earth went up.

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Global Warming? Climate Change?

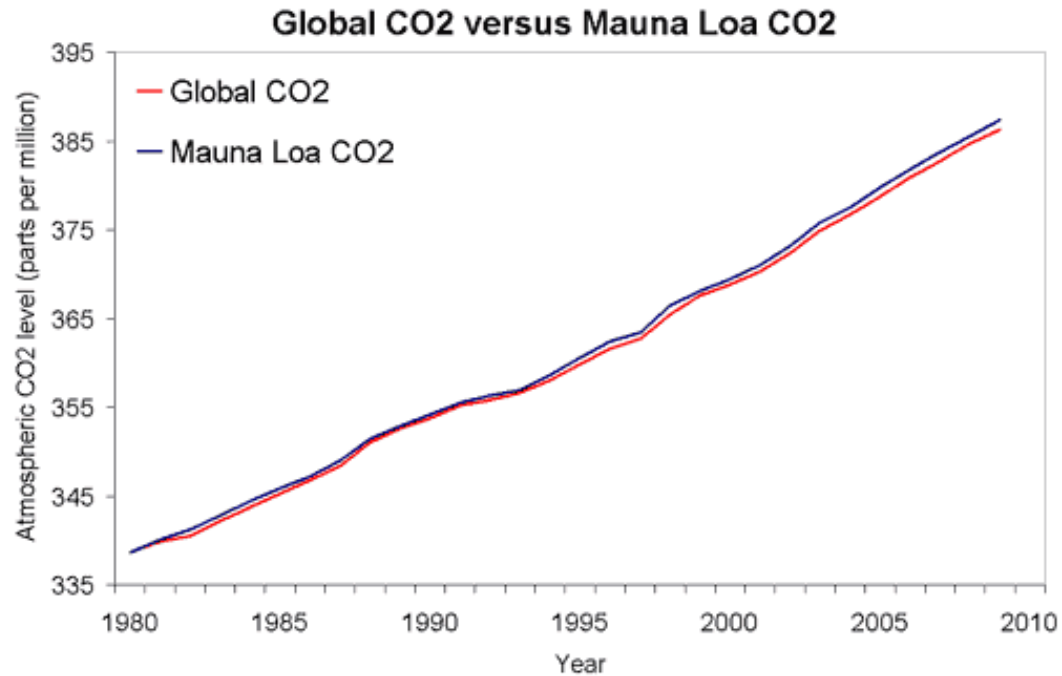
Evidence:
Temperature- the global average is rising over time



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Global Warming? Climate Change?

Evidence:
Carbon dioxide- CO2 levels
are rising over time



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Global Warming? Climate Change?

**Evidence:
Put the temp and CO₂ levels
together...**

