Chem 1 Hour\_\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Dr. Wexler
Video: 13 Misconceptions about Global Warming
Date:

Misconceptions:

1. “Global warming wasn’t happening so you had to call it climate change?”

Is the average global temperature really increasing?

If so, does that mean it will be warming everywhere all of the time?

What are four consequences of global warming?

A.

B.

C.

D.

2. “The Globe has not warmed since 1995”

This was based on incomplete data.

Data from what source showed that global warming did occur after 1995?

3. ”In the past, scientists warned of global cooling”

However, did this mean that global cooling was really occurring? Explain.

4. “Some people insist that based on air temperatures, the Earth is cooling”.

Aside from air temperatures, which vary from year to year, what two other pieces of evidence show global warming?

A.

B.

5. “Arctic sea ice increased over the last two years”.

What is the long term trend in arctic sea ice?

6. “The sun is getting brighter and therefore is responsible for any warming”

Is the sun really getting brighter?

7. “Humans can’t be responsible for global warming due to increased CO2 since we only emit a tiny fraction of all the CO2 that naturally enters the atmosphere”

Given that the emission part is true, what is wrong with the claim that humans aren’t responsible for the CO2 rise?

What is the scientific evidence for man-made CO2?