

Climate Science: What you need to Know

1. How much has atmospheric CO₂ increased since the industrial revolution?
2. How many gigatons of CO₂ have been added to the atmosphere?
3. What is our current PPM of CO₂?
4. What “kind” (isotope) of Carbon do plants use?
5. What other greenhouse gasses (GHG) are increasing?
6. What percentage of heat added to the planet is absorbed by oceans?
7. What happens to water as it warms?
8. What is the percentage decrease of summer ice in the arctic in the last 40 years?
9. What are the predictions in temperature and ocean rise by the end of this century?

Why Don't [Stupid] People Believe in Climate Science?

1. What percentage of Americans believe in climate change? (we are talking about America because they are the only G20 nation still fighting climate initiatives)
2. Humans respond to threats that cause P.A.I.N. – what does this acronym represent?
3. What is an “optimism bias?”
4. What is “confirmation bias?”
5. What percentage of the science community agrees about climate change?

Deeper Understanding

Using the link to the NASA website found on our class weebly or here:

<https://climate.nasa.gov/evidence/>

Please read and take notes on each of the 9 topics used to show evidence of Climate Change

WRITTEN RESPONSE: (one well-developed paragraph)

How do you think we can best inspire people to act- do something meaningful- about Climate Change?