Effects of Climate Change: NASA

Go to the following website: <https://climate.nasa.gov/evidence/>

1.) List the 9 pieces of evidence for global climate change, and briefly describe each.

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Click on the “Causes” tab.

2.) Draw a picture to describe the greenhouse effect:

3.) List all of the greenhouse gases.

Click on the “Effects” tab.

4.) Describe all of the impacts which are predicted under the current climate models.

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Click on the “Scientific Consensus” tab.

5.) What is a consensus?

6.) What is the current scientific consensus and WHO agrees?

Click on the “Vital Signs” tab.

7.) What is the latest measurement of Carbon Dioxide levels?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8.) Describe the trend of the global annual temperature over time.

9.) Where does the global temperature data come from?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10.) Watch the time series of the arctic sea ice minimum. Describe the data over time.

11.) What is the current rate of change of the Antarctic Ice sheet?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.) Where does the data come from for Sea Level measurements? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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13.) What is the trend in sea level?

Click on the “Questions (FAQs) tab”.

14.) Answer the question (in your own words) of “How do we know what greenhouse gas and temperature levels were in the distant past?”.