

Climate Change Webquest

Name: _____

Go to the following website.

<https://archive.epa.gov/climatechange/kids/index.html>

Learn the Basics

1. Why is the Earth getting warmer?
2. What kinds of things are happening due to temperatures getting warmer?
3. What is the greenhouse effect (*hint* look at the green side note)?
4. Watch the greenhouse effect video. Why do we need SOME greenhouse gases?
5. What happens when we have too many greenhouse gases?

Click on the link to "Learn more about climate."

Climate Concepts:

1. What is weather?

Go back and then click "Find out how and why the climate is changing."

Today's Climate Change:

1. What is the main reason the climate is changing?

2. What are heat trapping gases also called? Give an example of a heat trapping gas.

Click on the link "All about carbon dioxide."

All About Carbon Dioxide

1. How are we producing excess carbon dioxide?

2. Watch the video to learn more about the carbon cycle.
 - a. One of the ways that carbon dioxide is taken out of the atmosphere is photosynthesis. What is photosynthesis?

 - b. What are two ways carbon dioxide goes back into the atmosphere?

 - c. How is the carbon cycle like a bathtub?

Go back twice to the "Learn the Basics" page. Click on the link "Learn how the climate changed in the past."

The Earth's Climate in the Past:

1. Approximately when was the earth formed?
2. How do we know what the Earth's climate was like in the past (What are the clues)?
3. What are two natural causes of climate change?
4. Humans are causing climate change. What was the carbon dioxide concentration like originally? What is it like now (in parts per million)?

Go to: <https://archive.epa.gov/climatechange/kids/scientists/clues.html>

Clues of Climate Change:

Complete the activity and answer the following question.

1. What are the eleven signs of climate change that scientists have found? List them below