

EarthComm Earth System Evolution: Climate Change and Your Community Activity 5

This investigation will help you to:

- What are Greenhouse Gases?
- The Carbon Cycle
- Carbon Dioxide and Climate
- To learn more about the Intergovernmental Panel on Climate Change (IPCC), visit the following web sites:
- To learn more about the 1997 Earth Summit meeting in New York, visit the following web sites:

What are Greenhouse Gases?

- Global Warming FAQ, NASA
This site gives good descriptions of global warming and greenhouse gasses. It also contains several helpful links to other sites on greenhouse gasses.
- Greenhouse Gases and Society, University of Michigan
Need a better understanding of the greenhouse effect? Explore real-world applications and view visual aids at this site.
- Emissions of Greenhouse Gases in the United States, The Energy Information Administration (EIA)
View US emission data of greenhouse data from 1987 through 2000 by exploring this site.

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The Carbon Cycle

- Carbon Cycle Science Breakthroughs. . . . at NOAA and Beyond, NOAA
Here, NOAA provides useful graphics and text to introduce the carbon cycle and makes relevant the importance of understanding this cycle.
- Our Changing Planet - The Carbon Cycle (p.19), The FY 2002 US Global Change Research Program
Read about President Bush's Initiative to researching and abating global warming. This site features up-to-date data on the carbon and water cycles, atmospheric composition, ocean warming, and more.
- Overview to Climate Change, Climate Ark
Graphic representations and explanations of the carbon cycle are available at this website.
- Understanding the Global Carbon Cycle - Woods Hole Research Center
This site reviews the basics of the global carbon cycle and how fossil fuels are linked to the cycle.

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Carbon Dioxide and Climate

- Carbon Dioxide Emissions of the United States , EIA
This site provides information on CO2 emissions from US energy and industry in the last decade.

- Overview to Climate Change, Climate Ark

Graphics and explanations of observed climate trends are available at this website.

- Temperature and CO2 concentration in the atmosphere over the past 400 000 years
- CO2 Concentration in the atmosphere: Mauna Loa curve
- Global atmospheric concentration of CO2
- Climate Ark: CO2 emissions from industrial processes
- Emissions of CO2 - selected countries (1995)

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To learn more about the Intergovernmental Panel on Climate Change (IPCC), visit the following web sites:

- Intergovernmental Panel on Climate Change

Discover IPCC, and its mission, and member constituents by visiting this page.

- IPCC Assessment Report: Climate Change

This document provides "a comprehensive and up-to-date assessment of the policy-relevant scientific, technical, and socioeconomic dimensions of climate change."

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To learn more about the 1997 Earth Summit meeting in New York, visit the following web sites:

- Earth Summit +5, UN Department of Public Information

This web site contains general information on the history of Earth Summit, the mission, and the key-players involved.

- Obtain key information on the issues surrounding Earth Summit, recent press releases, and more.

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