

Climate Change Activity

Time: 90 minute class period

Standards:

Grades 9-12 Standard set 7

Topical Objectives:

Understand the carbon cycle

Understand the water cycle

Explain global warming and its impact on the Earth's environment

Materials:

Computers

Interactive notebooks

Pencil

Preparation:

Access to website

Short mini-lesson on procedure

Brief introductory lesson to global warming

Science Notebook Ideas:

Use Cornell notes to write down information w/illustrations

Procedure:

Take the quizzes on each of the categories (one at a time)

Go back to the information and write notes on the information.

Illustrate the concepts for better retention

Go back and re take the quiz

Extensions:

Link to a lecture on global warming and more extensive information;

<http://www.koshland-science-museum.org/exhibitgcc/greenhouse01.jsp>

Synthesis:

Understanding of global warming in light of the water and carbon cycles

Helps students understand that most systems in the world work in cycles and are dependent on each other even in their independence to keep on working efficiently

Sources:

<http://www.epa.gov/climatechange/kids/animations.html>

