

Environmental Science Chapter 7: Study Guide

Section 1 * SKIP THIS SECTION**

Section 2 * SKIP THIS SECTION**

Section 3

- Definitions

Greenhouse Effect

Greenhouse Gases

Global Warming

- Know how Earth relates to a greenhouse
- Be able to list the five major greenhouse gases
- Know who Charles Keeling is, what he did and what he found
- Know where the carbon dioxide is coming from
- Know the Case Study: Computer Models and Earth's Future Climate
- Be able to describe why some scientists think more carbon dioxide in the air means increased temperatures
- Know some of the changes that could result due to increased temperatures
- Be able to list at least two ways in which you can reduce greenhouse gases

Section 4

- Definitions

Ozone

CFCs

- Know what UV light is and what harmful effects it can have on humans
- Be able to describe why CFCs are harmful to the ozone layer
- Know the 1985 *Nature* article announcing the ozone hole
- Know the effects of ozone thinning

Carbon Footprint

- Know what carbon footprints are
- Be able to list at least two of the factors that are taken into consideration when calculating a carbon footprint

Carbon Offsetting

- Know what carbon offsetting is
- Know some of the criticism behind carbon offsetting
- Be able to form an opinion on this topic

FTC Asks if Carbon-Offset Money is Well Spent

- Know what carbon offsetting is and who is able to do this according to the article
- Know how corporations pay for carbon offsets
- Be able to describe some of the programs that are funded by carbon offset credits
- Know why the FTC is concerned about how carbon-offset money is spent

US Offers Way to Atone for Carbon Guilt

- Know what carbon offsetting is and who is able to do this according to the article

- Know how individuals pay for carbon offsets
- Be able to describe some of the programs that are funded by carbon offset credits

Global Warming Hoax

- Know what the global warming hoax is
- Know why some people believe global warming is a hoax
- Be able to give a detailed summary of your global warming Hoax article

An Inconvenient Truth

- Be able to define the purpose of the film
- Be able to summarize Al Gore's cause
- Know at least three points that support the concept of global warming
- Be able to form an opinion of the movie's main points
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Global Warming Debate

- Be able to give at least two pieces of evidence that support global warming
- Be able to give at least two pieces of evidence that discredit global warming
- Be able to write an opinion about global warming and whether it is a hoax or not