

## Earth/Environmental Science Homework & Test Review

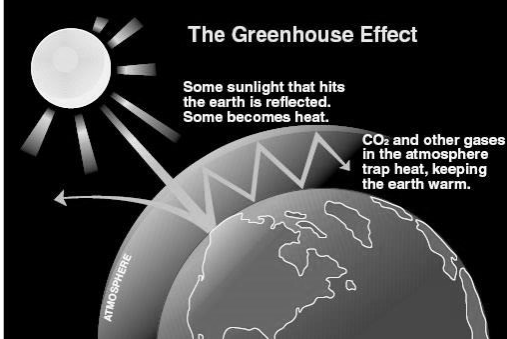
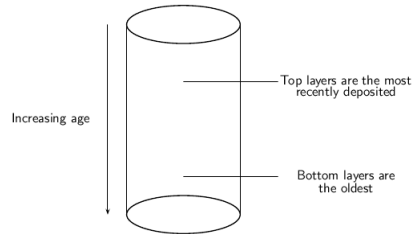
**Week 2: April 13<sup>th</sup> to April 17<sup>th</sup>**

**DUE DATE: Friday, April 17<sup>th</sup>**

**Weekly Reminders Checklist:**

- Modules 1, 2 and 3 from the computer lab on the Friday before Spring Break are due on Wednesday April 15<sup>th</sup>
- Quiz on vocabulary and concepts from Homework 1 and 2 is on Thursday April 16<sup>th</sup>
- Have you checked PowerSchool to see if you have any missing assignments?

**Vocabulary:** Fill in the missing areas on the table below using your textbook, class activities and any other resources you find helpful.

Vocabulary Word	Definition	Example/Application/Diagram
Greenhouse Effect		 <p style="text-align: center;"><b>The Greenhouse Effect</b></p> <p>Some sunlight that hits the earth is reflected. Some becomes heat.</p> <p>CO<sub>2</sub> and other gases in the atmosphere trap heat, keeping the earth warm.</p>
Greenhouse Gas (GHG)		
Carbon Dioxide Gas		
Methane Gas		
Nitrous Oxide Gas		
Global Warming		<p style="text-align: center;"><b>See question #3</b></p>
Ice Core		 <p style="text-align: center;">Increasing age</p> <p style="text-align: center;">Top layers are the most recently deposited</p> <p style="text-align: center;">Bottom layers are the oldest</p>
Carbon Sinks		

**Key Questions from the Week:** Answer the questions below pertaining to this week.

**1. How are the terms global climate change and global warming different?**

2. There are many different types of greenhouse gases. What are the top six greenhouse gases?

1.	4.
2.	5.
3.	6.

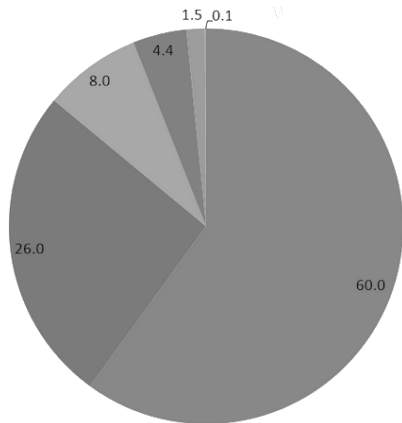
3. How much will the Earth warm if emissions of greenhouse gases continue to rise?

4. How does deforestation, burning of fossil fuels and large-scale development contribute to global climate change?

Deforestation	
Burning of Fossil Fuels	
Large-Scale Development	

**Chart for the Week:** Please fill out the key for the chart below showing the percent contribution of different gases to the greenhouse effect

Percent Contribution of Different Gases to the Greenhouse Effect



Key

- 60.0 % : \_\_\_\_\_
- 26.0 % : \_\_\_\_\_
- 8.0 % : \_\_\_\_\_
- 4.4 % : \_\_\_\_\_
- 1.5 % : \_\_\_\_\_
- 0.1 % : \_\_\_\_\_

Word Bank

- Ozone
- Water Vapor
- Methane
- Other Gases
- Nitrous Oxide
- Carbon Dioxide

**Humans and Global Warming:** Complete the table below using this week's foldable origami.

Product	Raw Material	How You Can Slow Global Warming
Paper		
Metal & Glass		
Compost		
Plastic		

**Research Question for the Week:** Conduct your own research using the library and internet resources to answer the following question.

**How can an increase in air pollution influence global warming?**