Name	Period: Date:			
	Environmental Science Study Guide Climate Change and Global Warming			
Vocabulary Understand and be able to apply each of these terms.				
1.	Weather –			
2.	Climate –			
3.	Atmosphere –			
4.	Troposphere –			
5.	Stratosphere –			
6.	Greenhouse effect –			
7.	Medieval Warming Period –			
8.	Little Ice Age –			
9.	El Nino –			
10	La Nina –			
11	Great Ocean Conveyor –			
12	Stratoshield –			
13	Cap-and-Trade System –			

## **Critical Thinking**

Be able to read, analyze, and give complete answers to questions like these.

- 1. Three wavelengths of energy are produced by the sun: **visible light**, **ultraviolet light**, and **infrared**. Explain how each affects us. Which is trapped by greenhouse gases?
- 2. The two most significant greenhouse gases are carbon dioxide and methane. What are the sources of each?

Name:	e:Peri	od:	Date:	
3.	Explain how <b>global warming</b> can alter the <b>hydrologic cycle</b> to cause <b>climate change</b> .			
4.	Climate change is a process that has occurred nexample of a natural cause of global climate ch	_	in the Earth's history. Give an	
5.	How much has the Earth's average surface tem Earth's surface currently warming?	perature increased since 18	80? At what rate is the	
6.	Why is the carbon dioxide detector located in F	awaii?		
7.	Explain why the average carbon dioxide readin summer.	gs are higher during the wi	nter and colder during the	
8.	Direct measurements of temperature are only refrom before that?	corded as far back as 1880	). Where does the data come	
9.	What is the relationship between global warming	g and hurricanes?		
10.	). What continent would be most affected by a dis	ruption in the great ocean	conveyor?	
11.	1. What effect is global warming having on sea le	vels? Why is this happening	ng?	
12.	2. Give an example of a global warming <b>preventi</b>	on and cleanup strategy.		