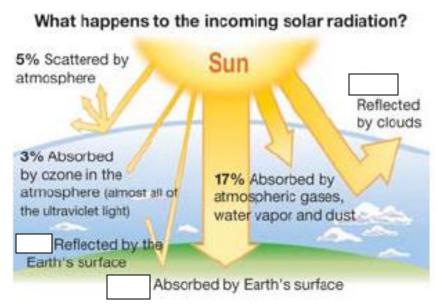
Guided Reading Chapter 7 Section 3

1.	What is the difference between work "input" and work "output?"					
2.	The work output of a machine is always		the work input.			
	a) less than or equal to	c) greater than or equal to	c) equal to			
3.	The work output of a "real" ma	e work output of a "real" machine is always				
	a) less than	b) greater than	c) equal to			
4.	The of a machine is equal to the ratio of the work output to its input.					
5.	A perfect machine has percent efficiency.					
	a) 25 b) 50	c) 75	d) 100			
6.	The reason a machine does not have perfect efficiency, is because of					
7.	To calculate efficiency, you divide the useable work by the total					
	work.					
8.	Complete the diagram showing energy efficiency of Earth.					



9.	Scientists believe that even a (<i>large, small</i>) change in temperature on Earth could affect all living things.					
10.	D. T/F In any system, energy is lost.					
11.	11. Power is the at which work is done.					
12. If you do more work in a shorter time, you have more						
	a) energy	b) power	c) time			
13. List and describe the units for <i>Power</i> .						
14. Who was the inventor of the steam engine, and what is horsepower?						
15.	15. Write the equation for determining the power of something.					