Chapter 17 Section 4 Guided Reading

1.	How is electricity made at a power plant?			
2.	Draw the energy pathway from the power plant to your home.			
3.	A is the name for a fuel that is not replaced as it is used are a good example of this type of energy.			
4.	What is a fossil fuel? Name three major fossil fuels			
5.	In 2006, what percentage of electricity in the U.S. is generated by: a) Burning Coal b) Natural gas c) Nuclear power d) Hydroelectric power			
6.	What are two harmful gases produced from the burning of fossil fuels?			
7.	The amount of carbon dioxide in the atmosphere has increased by about since the 1800's, and Earth's average temperature has increased to over the same time period. These increases have warmed the and caused sea level to rise to inches.			
	What element does a nuclear power plant split apart to produce nuclear energy? a) Carbon b) Nitrogen c) Uranium d) Hydrogen			
9.	What are the advantages and disadvantages of nuclear energy?			

10. What is a renewable resource?				
11. A power plant uses energy from falling water to generate electricity.				
12. Name the advantages and disadvantages of hydroelectric power.				
13 power plants use Earth's internal heat energy, in the form of wate or steam, to produce electricity produces most of its electricity from this type of energy.				
14. Explain how a geothermal heat pump system works in winter and in summer.				
15. What are the advantages and disadvantages of geothermal energy?				
16 is organic material from plants or animals.				
17. How is biomass used to produce electricity?				
18. What are the advantages and disadvantages of burning biomass for electricity?				
19 captures the energy of motion from moving air and turns the energy into electricity.				
20. Name the top three U.S. states to use electricity from wind energy.				
21. What are the advantages and disadvantages of using wind energy?				

	A solar and can convert solar energy to			
23. What are the advantages and disadvantages of solar energy?				
•	at which electrical energy , or per second.	•		
25. How can you save money on your household's electric bill?				