

Chapter 14.3 - Virtual LAB  
Earth's Energy and Mineral Resources (Pg. 511)

Name \_\_\_\_\_

What are the advantages of alternative energy sources?

Question 1 : What are the differences between nonrenewable, renewable and inexhaustible energy resources? Give an example for each.

Question 2 : Energy resources other than non-renewable energy sources are generally referred to as alternate energy sources. Why is it important to develop alternate energy sources?

Question 3 : Based on the results of the experiment, what type of settings are most suitable for each of the following five energy sources. Explain your answer?

- \* Hydroelectric
- \* Wind
- \* Solar
- \* Geothermal
- \* Biomass

Question 4 : Given an isolated desert city with little wind and long dry days, throughout the year, what would you consider before recommending an alternative energy source? What alternative energy source would you recommend? Explain your answer.

Question 5 : Currently only about 10% of energy in the United States comes from the alternative energy sources. The remaining energy comes from non-renewable energy sources like coal, oil and natural gas. Why do you think this might be?

