Renewable Fuels Fact Finder

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is **biodiesel**?
2. What can biodiesel be made from?
3. What biodiesel crops are grown closest to us?
4. What part of the plant do they use to create biodiesel?
5. Does it use everything, or does the process create by-products?
6. What is **ethanol**?
7. What ethanol crops are grown closest to us?
8. What part of the plant to they use to create ethanol?
9. Do they use the whole kernel, or are there other byproducts produced?
10. What do they mean when they talk about different blends of ethanol?
11. What is the most common blend of ethanol?
12. How does **cellulosic ethanol** differ from other types of ethanol?
13. Which type of ethanol is more common?
14. What kinds of things can be used to make cellulosic ethanol?
15. Are there any other questions you want to know the answers for?

Research Paper Assignment

After completing the Fact Finder worksheet and discussion during class, you will be responsible for writing a research paper outlining renewable fuels.

In this paper, you will need to:

* Define and explain key terms
* Identify key crops in Iowa in the renewable fuels industry
* Explain basic processes in creating renewable fuels
* Identify differences and similarities between renewable and nonrenewable fuels
* Describe impact of the renewable fuels industry in terms of:
	+ Environment and sustainability
	+ Community, state and/or country

Also, remember to:

* Cite all sources, and include a works cited page
* Do not copy and paste from any source
* Use 12 pt. Times New Roman font, double spaced
* Include introductory and conclusion paragraphs
* Papers should be a minimum of 2 pages, excluding the works cited page