



MYSTERY #1

COULD IT BE CORN?

Middle School Activity Sheet

KANSAS CORN STEM

Use this activity sheet to complete your RFA ethanol journey. If you have any questions remember you can repeat that section of the activity.

Questions 1-6 cover "What is Ethanol?"

1. Which engines are able to be fueled by ethanol?
2. Who invented the first car able to run off ethanol, gasoline, or a mixture of both?
3. Roughly, how much ethanol is produced in the United States each year?
4. In your own words, explain what a renewable resource is and how it is different from a nonrenewable resource. Then give an example of both.
5. What are the two main ingredients removed from corn to make ethanol?
6. What are other co-products made during the ethanol process that are not ethanol?

Ethanol's Environmental Benefits

1. Name three benefits of ethanol for our planet?

Ethanol's Economic Impact

1. About how many jobs has the ethanol industry added to our economy?
2. Name 5 jobs you could have within the ethanol industry.

Ethanol Uses

1. What are some flex fuels available to you at the pump? (You should have more than two for this answer)
2. What vehicle might run on a flex fuel?
3. 90% of cars today have engines able to run on what kind of ethanol?
4. Almost all gasoline in the United States contains how much ethanol?

Bonus: Complete the Ethanol challenge and show your teacher the special badge you earned.