



MYSTERY #1


COULD IT BE CORN?

High School Activity Sheet

KANSAS CORN STEM

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

Questions 1-7 cover "What is Ethanol?"

1. Define the term greenhouse gases in your own words.
2. What are the two main ingredients removed from corn to make ethanol?
3. Using the information icon,  explain the wet milling process.
4. What percentage of ethanol is produced using the dry mill process?
5. What are the 6 steps discussed for the process of creating ethanol?
6. One bushel of dry mill processed corn makes how much ethanol, animal feed, and carbon dioxide for beverages?
7. How did war affect ethanol production and uses? (Use multiple points on the timeline).

Ethanol's Environmental Benefits

1. Define the Clean Air Act of 1990.
2. What is first generation ethanol?

Ethanol Economic Impact

1. The ethanol industry produces \$42 billion dollars in gross domestic income. What is gross domestic income and why is this important?

Ethanol Uses

1. 90% of cars today have engines able to run on what kind of ethanol?
2. Almost all gasoline in the United States contains how much ethanol?
3. How are Flex Fuel vehicles able to run on various kinds of ethanol?

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