

Name: _____ Date: _____

Driver's Education Worksheet

1. What do the numbers listed on fuel pump buttons represent? For example, 87, 88, 89...

2. Which octane rating is most commonly available at fuel retailers in the United States?

3. What is the primary agricultural product used to produce ethanol in the United States? Which state typically leads the nation in production of this product?

4. What blend of ethanol does Unleaded88 contain?
 - a. 10 percent
 - b. 20 percent
 - c. 15 percent
 - d. 88 percent

5. Which vehicles are approved to use Unleaded88?
 - a. 2001 and newer gasoline vehicles
 - b. Flex fuel vehicles
 - c. Diesel vehicles
 - d. Both a and b

6. **True or False:** The following are common indicators that you own a flex fuel vehicle.

**Please circle the correct answer*

A yellow gas cap or label on the fuel door	True	False
An approval notice in the owner's manual	True	False
A label or light on the car's dashboard	True	False
A decal on the driver's side window	True	False
A badge or label on the rear of the car	True	False

7. How do flex fuel vehicles differ from other types of vehicles?

8. Check all that apply:

What is biodiesel made from?

_____ Cooking oil

_____ Animal hair

_____ Animal fat

_____ Soybean oil

_____ Grass and soil

_____ Distillers corn oil

_____ Used cooking oil

9. Are gasoline additives, like benzene, xylene, and toluene, considered harmful to humans? (Yes or No)

10. What helps ethanol burn more completely in the engine versus gasoline additives in gasoline or petroleum?

11. Fill in the blank:

Ethanol reduces greenhouse gas emissions by almost _____ compared to gasoline.

E85 burns significantly _____ than petroleum gasoline.

Ethanol is a _____ fuel.

More than 98% of the gasoline sold in the United States contains _____% ethanol.

Unleaded88 is typically dispensed from a _____ handle.

12. **Matching:** Draw a line from each type of corn on the left to match to the correct picture on the right.

Field Corn – also called “#2 yellow dent corn”, when the kernel dries, the starch in the seed shrinks, creating a dent at the top of the kernel



Sweet Corn – the kind of corn humans consume, described as “soft, sugary, and ‘milky’” when it is harvested, soft and sticky kernels



Popcorn – small, round kernels. There’s a small amount of water inside of the starch so there are no dents present in the kernels.



Decorative Corn – also known as “ornamental corn”, has hard, multicolored kernels, unlike its counterpart, the field corn, the kernels have no dents, mainly used during the Fall season

