Alternative Fuels Video Questions

Instructions
While watching the Alternative Fuels Video, answer the following questions:

1. Why are people looking for new fuels?

2. Bio-fuels like Ethanol are made the same way as beer and wine, what is this process called?

3. Yeast microbes digest __________ and related molecules found in corn and other crops and produce ethanol as waste.

4. Ethanol is ________ efficient than gasoline but _______ our need for petroleum

5. True or False? Microscopic organisms can produce fuels.

6. Hydrogen cells react Hydrogen gas and Oxygen gas, which produces water. It also releases what during this reaction?

7. Is Hydrogen more or less efficient than traditional fossil fuels?

8. What percentage of gasoline does a combustion engine convert to usable energy?

9. What percent of hydrogen does a hydrogen fuel cell convert to usable energy?

Bonus Question: Alternative fuels are not without their controversies, although developed with the environment in mind, why might they be less than optimal solutions presently?