

Name: _____ EID: _____

Topic: Biofuels

Pre-discussion questions. Answer briefly. Use only the space provided.

- 1) What is a major constituent of gasoline? *Draw the molecular structure and label.*

- 2) Cellulosic ethanol. What is an example feedstock for producing this biofuel? What are the main steps in the process? What is the product molecule? (*draw and label*)

- 3) Algal biofuels. What is required as input to the process? What are the main steps in the process? What is an example of a product molecule? (*draw and label*)

- 4) Which of these two technologies do you think will be most successful over the next ten years. Give at least three arguments from the reading or your own research to justify your answer.

- 5) Find a company (or department within a company) dedicated to biofuels. Briefly describe their feedstock, process, and product. *Be prepared to tell the class about your company.*