

### **Genetically Modified Foods: Benefits and Risks**

1. In the United States, grocery shelves are filled with \_\_\_\_\_  
\_\_\_\_\_ foods. An example would be \_\_\_\_\_.
2. Can you take a gene from a fish and put it into a tomato? \_\_\_\_\_
3. If genes provide instructions to build a living thing, what happens if you change one of the genes? \_\_\_\_\_.
4. True or false: Most if the food you eat CANNOT be found in nature. \_\_\_\_\_
5. What was the difference between the two papayas?
  
6. What does transgenic mean?
  
7. "Agro-chemical companies created Golden Rice, a genetically modified species of rice, to help fight \_\_\_\_\_ on developing countries."
8. BT corn crops take proteins from \_\_\_\_\_ to help fight certain insects.
9. When are you eating genetically modified foods? What are some examples of genetically modified foods used in many products which you commonly eat everyday?
  - a.
  - b.
  - c.
10. What are the three things Nye suggests for the human race:
  - a. Lets farm \_\_\_\_\_
  - b. Lets require \_\_\_\_\_
  - c. And lets carefully \_\_\_\_\_ these foods case by case.
11. Do you think genetically modified foods have more risks or benefits and are comfortable eating genetically modified foods (like fish genes in tomatoes or bacteria proteins in corn)?

Summary:

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12. In the United States, grocery shelves are filled with genetically  
modified foods. An example would be corn.
13. Can you take a gene from a fish and put it into a tomato? Yes
14. If genes provide instructions to build a living thing, what happens if you change one of the genes? You re-write one of the instructions.
15. True or false: Most if the food you eat CANNOT be found in nature. True
16. What was the difference between the two papayas?

The natural papaya is infected with a virus which makes the outside speckled and the genetically modified papaya does not have the virus because it is immune to the virus because it was genetically modified.

17. What does transgenic mean?
- When a genes from one organism is placed into another organism.
18. "Agro-chemical companies created Golden Rice, a genetically modified species of rice, to help fight malnutrition on developing countries."
19. BT corn crops take proteins from bacteria to help fight certain insects.
20. What are some examples of genetically modified foods used in many products which you commonly eat everyday?
- a. Soy
  - b. Canola
  - c. Corn

21. What are the three things Nye suggests for the human race:
- a. Lets farm responsibly
  - b. Lets require labels on our foods
  - c. And lets carefully test these foods case by case.

22. Summary on the back →