

Assignment Summary

In this project, you will use reference materials and Internet sites to do research on a specific type of genetic modification: genetically modified foods. Suggested references are listed at the end of this document to help you with this project.

Using your research, you should be able to answer these questions:

1. What are genetically modified foods?
2. What crops are typically genetically modified?
3. Why are crops genetically modified?
4. How are crops genetically modified?
5. How do genetically modified foods affect society and the environment?

You will then share what you have learned by preparing a multimedia presentation. Your multimedia presentation should include a title slide, a number of content slides that include specific information about genetically modified foods, and a slide that lists the sources you used in your research.

Assignment Instructions

Step 1: Gather materials and necessary information.

- a) You will collect information about genetically modified foods, including:
 - A description of what genetically modified foods are
 - A list of crops that are typically genetically modified
 - An explanation of why crops are genetically modified
 - A description of how crops are genetically modified
 - A list of how genetically modified crops affect society and the environment
- b) Be sure to keep a list of your references so you can cite them properly later.
- c) Ask your teacher where you should save your presentation as you work on it. Your teacher may also have specific guidelines about the file name you should use.

Step 2: Create your title slide.

- a) Begin by creating the first slide of your presentation: the title slide. On this slide, include a relevant title for your presentation in large font, an appropriate image that relates to the subject matter, your name, your teacher's name, and the due date of the presentation.
- b) Remember to save your work as you go.

Step 3: Describe genetically modified foods.

- a) Create a slide titled **Genetically Modified Foods**.
- b) On the slide, be sure to give a description of genetically modified foods.
- c) Include an image that relates to the concept being discussed on the slide.
- d) Place text in the notes section below the slide explaining the information presented on the slide. Be sure to add in your text a brief definition of the word modification. This text will act as the script for your presentation.
- e) Remember to save your work as you go.

Step 4: Give examples of crops that are typically genetically modified.

- a) Create a slide titled **Crops that are Genetically Modified**.
- b) On the slide, make a bulleted list of crops that are commonly genetically modified.
- c) Include images that relate to the concept being discussed on the slide.
- d) Place text in the notes section below the slide explaining the information presented on the slide. This text will act as the script for your presentation.
- e) Remember to save your work as you go.

Step 5: Explain why crops are genetically modified.

- a) Create a slide titled **Purposes of Genetic Modification**.
- b) On the slide, make a bulleted list of the reasons why crops are genetically modified.
- c) Include an image that relates to the concept being discussed on the slide.
- d) Place text in the notes section below the slide explaining the information presented on the slide. This text will act as the script for your presentation.
- e) Remember to save your work as you go.

Step 6: Describe how crops are genetically modified.

- a) Create a slide titled **Genetic Modification Process**.
- b) On the slide, define genetic engineering.
- c) Describe how DNA is modified for use in genetic engineering.
- d) Include an image that relates to the concept being discussed on the slide.
- e) Place text in the notes section below the slide explaining the information presented on the slide. This text will act as the script for your presentation.
- f) Remember to save your work as you go.

Step 7: List and explain positive impacts of genetically modified crops.

- a) Create a slide titled **Positive Impacts of Genetically Modified Crops**.
- b) On the slide, make a bulleted list of the positive impacts of genetically modified foods on society and the environment.
- c) Include a brief explanation of each positive impact.
- d) Include an image that relates to the concept being discussed on the slide.
- e) Place text in the notes section below the slide explaining the information presented on the slide. This text will act as the script for your presentation.
- f) Remember to save your work as you go.

Step 8: List and explain negative impacts of genetically modified crops.

- a) Create a slide titled **Negative Impacts of Genetically Modified Crops**.
- b) On the slide, make a bulleted list of the negative impacts of genetically modified foods on society and the environment.
- c) Include a brief explanation of each negative impact.
- d) Include an image that relates to the concept being discussed on the slide.
- e) Place text in the notes section below the slide explaining the information presented on the slide. This text will act as the script for your presentation.
- f) Remember to save your work as you go.

Step 9: Express an opinion about genetically modified crops.

- a) Create a slide titled **My Thoughts about Genetically Modified Crops**.
- b) On the slide, describe what you think about eating or consuming genetically modified foods.

- c) Include a brief explanation of the research points that influenced your opinion.
- d) Include an image that expresses your opinion.
- e) Place text in the notes section below the slide explaining the information presented on the slide. This text will act as the script for your presentation.
- f) Remember to save your work as you go.

Step 10: Cite your sources.

- a) Create a slide titled **Works Cited**.
- b) On this slide, create a list of the resources you used to complete your research. A simple list of website titles and addresses (URLs) is acceptable. If you used print sources, list the title, author, publisher, city, and date of publication.

Step 11: Evaluate your presentation using this checklist.

If you can check each criterion below, you are ready to submit your presentation.

Yes	No	Evaluation Question
		Does your presentation include a title slide with a relevant title in large font, an image that relates to the subject matter, your name, your teacher's name, and the due date of the presentation?
		Does your presentation include a description of what genetically modified foods are?
		Does your presentation include a list of crops that are typically genetically modified?
		Does your presentation include an explanation as to why crops are genetically modified?
		Does your presentation include a description of how crops are genetically modified?
		Does your presentation include a list of the positive and negative impacts of genetically modified foods on society and the environment, including an explanation of each one?
		Does your presentation include your opinion about using genetically modified foods and an explanation of why you have this opinion?

Step 12: Revise and submit your presentation.

- a) If you were unable to check off all the requirements on the checklist, revise your presentation and save it before submitting.

- b) When you have completed your presentation, return to the virtual classroom and use the “Browse for file” option to locate and submit your assignment. Congratulations! You have created a multimedia presentation.
- c) Ask your teacher for further instructions about presenting your presentation to an audience of your peers.

Resource Suggestions

You may wish to use these search phrases to look for online sources.

- World Health Organization – Food, genetically modified
- University of Utah Genetically Modified Foods
- GMO Fact Sheet: Pros vs Cons
- [Genetic Foods](#)
- [New Plant Varieties](#)