**Student Worksheet: Designing GMO Campaigns**

**Directions**: Answer the short quiz about GMOs before reading the article “8 GMOs Tell a Brief History of Genetic Modification.” After reading this article, use the quiz key to calculate the number of points that you earned on the quiz before and after reading the article.

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| --- | --- | --- | --- |
| **Question** | **True** | **False** | **Do Not Know** |
| 1. GMOs have been proven to cause cancer in humans. | ○ | ○ | ○ |
| 2. GMOs are safe to eat. | ○ | ○ | ○ |
| 3. GMOs are not used in medicine. | ○ | ○ | ○ |
| 4. Animals cannot be GMOs. | ○ | ○ | ○ |
| 5. GMO crops create a dependency on corporations. | ○ | ○ | ○ |
| 6. GMOs are responsible for the decline in pollinators. | ○ | ○ | ○ |
| 7. GMOs are uncommon in food products. | ○ | ○ | ○ |
| 8. The creation of GMOs is not the first-time that humans have modified organism DNA. | ○ | ○ | ○ |
| 9. GMOs are not regulated by the government. | ○ | ○ | ○ |
| 10. Exposure to GMOs is more likely to cause an allergic reaction than exposure to their non-GMO counterparts. | ○ | ○ | ○ |

**Fixing Misconceptions**

As a class, discuss how reading an unbiased article on GMOs changed your perception of GMOs and your quiz scores.

After the discussion, reference the “[Non-GMO Project](https://www.nongmoproject.org/),” the U.S. Department of Agriculture website on [Bioengineered products](https://www.ams.usda.gov/rules-regulations/be), and an online marketplace to answer the following questions.

1. Look up Non-GMO and Bioengineered labels. Based on appearance, what feelings do these labels invoke?

2. Reference the “[Non-GMO Project](https://www.nongmoproject.org/)” website. What does the Non-GMO label indicate?

3. Reference the U.S. Department of Agriculture website on [Bioengineered products](https://www.ams.usda.gov/rules-regulations/be). What does the Bioengineered label indicate?

4. Could either or both of these labels be misleading? Why?

5. Go online and look at the ingredients in products labeled as GMO free. Did you identify any products labeled as GMO free that are incapable of containing GMOs? If so, what product(s) did you identify and why can it not contain any GMOs?

6. Why would a manufacturer apply for the Non-GMO label if their product is already guaranteed not to contain GMOs?

**Creating an Awareness Campaign**

After the discussion, break into groups to create an awareness campaign about one of the uses of GMOs mentioned in article “8 GMOs Tell a Brief History of Genetic Modification.” This awareness campaign will be posted in or around the school. If needed, reference the article “[New ‘Feed Your Mind’ Initiative Launches to Increase Consumer Understanding of Genetically Engineered Foods](https://www.fda.gov/news-events/press-announcements/new-feed-your-mind-initiative-launches-increase-consumer-understanding-genetically-engineered-foods)” and examine the “[Feed Your Mind](https://www.fda.gov/food/consumers/agricultural-biotechnology)” campaign website created by the United States Food and Drug Administration.