

Name _____

Date _____

GMO Fill in the Blanks

Fill in the blanks below. Use the Spectacular Science video on bioengineered food ingredients to help you!

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GMOs or genetically _____ organisms are plants, animals, or other living things that contain genetic information altered through _____. Genetic bioengineering is when scientists change and alter the _____ of organisms to achieve specific outcomes or traits they want to see. GMOs are used to modify traits in crops in order to _____ yields and produce more food. They are also used to increase pest _____ and keep away weeds and other organisms that may prevent the crops from growing. Only a few crops have been commercially modified. These include _____, soybeans, _____, and canola. GMOs are the center of many debates over labeling, sustainability, health, and more. The main drawback of GMOs is the lack of _____. Since a lot of these modified crops share genes, they can be vulnerable to certain pests, increasing the use of pesticides. These pests and weeds can become _____ to these pesticides and herbicides, leading to more of them being used.



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Answer Key

Use this page to check answers.

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GMOs or genetically **modified** organisms are plants, animals, or other living things that contain genetic information altered through **bioengineering**.

Genetic bioengineering is when scientists change and alter the **DNA** of organisms to achieve specific outcomes or traits they want to see. GMOs are used to modify traits in crops in order to **increase** yields and produce more food. They are also used to increase pest **resistance** and keep away weeds and other organisms that may prevent the crops from growing. Only

a few crops have been commercially modified. These include **corn**, soybeans, **cotton**, and canola. GMOs are the center of many debates over labeling, sustainability, health, and more. The main drawback of GMOs is the lack of **biodiversity**. Since a lot of these modified crops share genes, they can be vulnerable to certain pests, increasing the use of pesticides.

These pests and weeds can become **resistant** to these pesticides and herbicides, leading to more of them being used.



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