Genetically Modified Foods

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• Genetically modified foods are foods that are derived from organisms that have specific changes in their DNA using Genetic Engineering.
Benefits of GM foods

There are many benefits of GM foods. These include:

- Creating plants being better resistant to pest and diseases
- Better texture and flavour
- Longer lasting
- A sustainable way to feed the society
As well as the benefits of GM foods, there are also negatives such as:

- Increase rate of Food allergies
- Increased toxicity
- Decreased nutritional value
- Antibiotic resistance
How is it Genetically Modified?

These foods are genetically modified using genetic engineering. The foods are modified using a high-speed particle bombardment method. This inserts the modified gene into the plant.
In the plants the cells have been modified or some specific gene has been inserted to help the plant from pests, viruses and diseases.
GM foods have been made using gene technology, modern biotechnology, recombinant DNA technology or genetic engineering. This allows specific genes to be transferred.
Both Conventional breeding and GM breeding involves changing the genes of the plant. But the key difference between Conventional breeding and GM breeding is that instead of random genes being changed in conventional breeding, there are specific changes in GM breeding.
Bibliography


http://www.who.int/foodsafety/areas_work/food-technology/faq-genetically-modified-food/en/

https://www.youtube.com/watch?v=2G-yUuiqIZ0