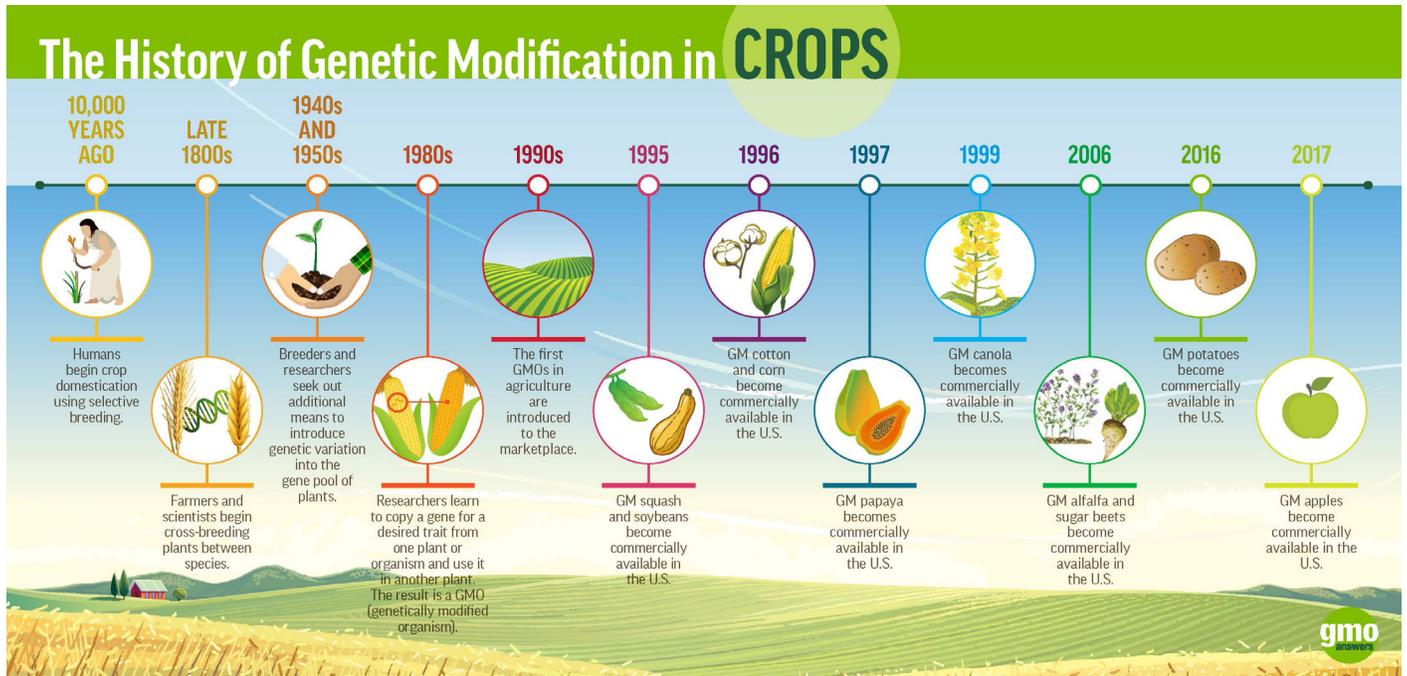


ACTIVITY: GMO C.E.R. and Debate

Please review the figure below and answer the questions that follow:



What do all the foods shown above have in common?

When was the first GMO product introduced to the marketplace?

What are some other GMO foods you see listed on this timeline?

How long has GMO corn been commercially available in the United States?

Research Question: "Overall, is genetically modified corn a beneficial or non-beneficial crop to the United States?"

Research various impacts of genetically modified corn. As you are researching make sure to take notes that help support your viewpoint. Then, complete a C.E.R writing based on your GMO research. Afterwards, you can use your position to have a debate with others in class. When building your debate remember, both sides of the argument must be carefully prepared with claims, data, research and position. When making your groups you will want to be sure that you have someone to argue the pros AND someone to share the potential cons.

Included in this document are some graphics and resources that may be beneficial to you. However, you **WILL NEED to conduct additional research.**

Year	Population	Available Land for Agriculture
1959	3 billion	12.16 acres per person
2006	6.68 billion	5.46 acres per person
2039	8-13 billion	2.81 acres per person

FACT!

Arable land is being lost at the rate of 38.610 square miles per year and by 2039 there will only be 0.53 acres of arable land per person worldwide.

Note:

With the world's population approaching 8 billion, the amount of land required to feed the growing population is becoming scarce.

GMOs have been around since 1994, when the Flavr Savr tomato became FDA approved.

The United States is currently the largest producer of GMOs in the world.

Resources

Here are some suggestions to use to research data regarding genetically modified organisms.

<https://gmoanswers.com/information-and-resources/infographics-and-downloadables>

<http://www.webmd.com/food-recipes/features/are-biotech-foods-safe-to-eat>

https://www.huffpost.com/entry/what-are-gmos_n_590729c6e4b05c39768098bf

<https://www.sciencedaily.com/search/?keyword=gmos#gsc.tab=0&gsc.q=gmos&gsc.page=1>

Fill out the following table stating your claim and indicate the evidence you have collected to justify your claim.

The Research Question: Is genetically modified corn a beneficial or non-beneficial crop to the United States?	
Your Claim:	
Your Evidence:	Your Justification of the Evidence:

List the arguments of the other teams and develop your counter argument to them and record your response in the rebuttal column.

I Support Genetically Modified Corn	I am Against Genetically Modified Corn
Argument #1	Rebuttal
Rebuttal	Argument #1
Argument #2	Rebuttal
Rebuttal	Argument #2