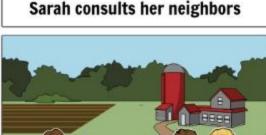
Sarah - A farmer in Iowa, USA





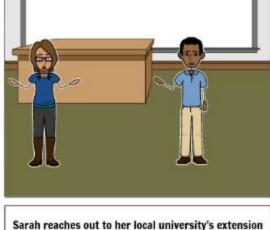
Sarah talks to an Extension Agent





of insecticides, which Sarah knows are harmful to the

environment and very expensive.



Sarah is a corn farmer, farming over 700 acres. One day, fall army worms attacked her cornfield and her crop was devastated. She lost her entire field.

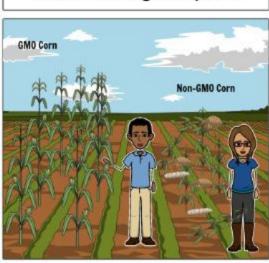
The extension agent explains:

Sarah likes these ideas.

Let's brainstorm:

agent, Paul, for help. He tells her that through genetic

engineering, insect resistant crops are possible!





How can GMOs be used as a tool to solve problems in food, agriculture, and environmental science?

Paul takes Sarah to an experimental field. He tells her that GMO corn has a genetic change that makes them resistant to insects. Paul tells Sarah that if she uses the GMO corn, she won't have to spray harmful insecticides at all!

Sarah starts thinking seriously about planing GMO corn. She wants to know: How can adopting GMOs help her situation? Could GMOs be a useful tool for her and other farmers?

GMOs work by changing the DNA of the crop to make it different than before. Can you think of other ways we can use this technology?