

Name: \_\_\_\_\_



# STEM Challenge:

## Farming For Your Community

One hundred years ago, almost everyone had their own garden and grew their own food. Today, most of the population relies on farmers to grow their food. Imagine how farming looks in your community and what it could look like.

**Your Challenge:** Angel currently grows peas in Iowa. Angel is wanting to improve their farms sustainability. However, Angel isn't sure what a sustainable farm should look like. Angel also doesn't know what technology would be best for their farm to be sustainable. Angel has asked for your help to engineer a sustainable farm.

### Brainstorming Focus Questions:

1. What problem are you trying to solve?
2. What information do you have that can help you solve the problem?
3. What information do you need to get to solve the problem?
4. Use the *Iowa Ag Today* and other resources to help you answer your questions in number 3.

**Taking Action:** Develop a proposal for Angel.

Angel's farm will need \_\_\_\_\_

to be sustainable. Angel will need agriculture technology such as \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ because

\_\_\_\_\_  
\_\_\_\_\_.

**Draw what you think Angel's farm could look like.**

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