

Name: _____



Journey
2050™

Lesson 7: Technology & Innovation

Self-Guided Experience

Use the steps below to navigate through the Journey 2050 Self-Guided Experience.

- 1 Begin the [Journey 2050 Lesson 5: Technology & Innovation | Self-Guided Expe | Self-Guided Experiencerience](#) video.



- 2 Watch the TED Talk, [A Global Food Crisis May be Less Than a Decade Away](#) by Sara Menker. Stop the talk at 2:29 (15:04 remaining).



Consider Sara's statement, "We could have a tipping point in global food and agriculture if surging demand surpasses the agricultural system's structural capacity to produce food." As demand (population) rises, what limits our capacity to produce food?

- 3 Watch the [Journey 2050: Technology and Innovation](#) video.



1- Which innovation do you think could be most impactful and why?

2- What are the pros of using these technologies?

3- What could be the cons of using these technologies?



- 4 Prepare to watch the remaining portion of the TED Talk, [A Global Food Crisis May be Less Than a Decade Away. by Sara Menker.](#)

1-What can developed and developing countries do to prevent famine as we move toward 2050?

2- What can developed and developing countries learn from each other?

- 5 Finish the [Journey 2050 Lesson 7: Technology and Innovation Self-Guided Experience](#) video.

1-How do consumers like you influence what producers grow?

Key Points:

- Technology and innovation play a critical role in the future of agriculture. Each innovation must be understood for the benefits and limitations it brings as there is no one-size fits all solution.
- If supported, developing countries have the greatest potential to make the most improvements.
- Consumers have a direct influence on what is grown and how. It's important that students take a science-based, informed approach when viewing information they may see on social media or in marketing campaigns trying to influence their purchasing behavior.
- As we strive to feed a growing population, every stakeholder must act in a way that encourages sustainable solutions. We need to begin to solve the problems today. Waking-up to address these issues on January 1, 2050 is too late!