

Name: _____



Journey
2050™

Lesson 1: Sustainable Agriculture

Self-Guided Experience

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

- 1 Begin the [Journey 2050 Lesson 1: Self-Guided Experience](#) video. You will hear a brief introduction to this lesson as well as the Journey 2050 program.



- 2 Watch the [Journey 2050: Introduction video](#). As you watch, record the answers to the following 3 questions



1- Why is 2050 a significant year?

2- What is the "sustainability barrel?"

3- What is the "ripple effect?"

- 3 Watch the [World Population](#) video animation to begin to visualize the rapid growth of the world's population in comparison to historical eras.



List 2 reasons why you think the world population has grown so rapidly since the early 1900s. What is your best guess?

1-

2-

- 4 Watch the [7 Billion: How Did We Get So Big So Fast?](#) video. What 2 advances have helped to slow the death rate and therefore allowed the world population to rise?



1-

2-

- 5 Return to the [Journey 2050 Lesson 1: Self-Guided Experience](#) video. ("Step 5" chapter marker)

1- How many years until the year 2050?

2- How old will you be in 2050?

- 6 Play Level 1 of the Journey 2050 Sustainability Farming Game. The game can be downloaded to devices from Google Play or the App Store. It can also be [played online](#) using Chrome, Safari or Firefox.



- 7 Finish the [Journey 2050 Lesson 1: Self-Guided Experience](#) video (Step 7 chapter marker). Then, answer the questions below and review the key points.

1- After growing your first crop, did you invest some of your money to purchase additional land? Why or why not?

2- What was your limiting factor in your sustainability barrel? What did this mean?

3- What were some of the ripple effects of your farming choices?

Key Points:

- By 2050, it is expected that our world will grow from over 8 billion to nearly 10 billion people.
- Sustainable agriculture is the practice of producing our food, fiber and fuel in a way that is profitable to the farmer, supports a healthy quality of life and protects our natural resources (land, air and water).
- Many factors can limit our ability to produce food for a growing population. These limiting factors are depicted in the sustainability barrel.
- Using sustainable agricultural practices can improve our society through the ripple effect.