



Module 1 – Foundations of Sustainable Agri-Food Systems & Circular Economy

Lesson B Quiz

From Linear to Circular: Rethinking Food Production

QUIZ LINK:

[Module 1 Lesson B Quiz - Responder Link](#)

Multiple choice

Which of the following is a correct definition of the linear path of food production

- A. Grow → eat → compost
- B. Take → make → waste
- C. Buy → store → recycle
- D. Plant → harvest → reuse

Circular economy ____ natural systems instead of ____ them.

- A. Destroys, protecting
- B. Ignores, enhancing
- C. Copies, damaging
- D. Regenerates, depleting

What kinds of byproducts can be repurposed into bioplastic or biodiesel?

- A. Sand and gravel
- B. Fruit pulp and cooking oil
- C. Plastic bags and metal cans
- D. Glass bottles and paper cartons

What is a closed loop food system?

- A. Nutrients and materials keep cycling
- B. Food is grown only once and then discarded
- C. All food is imported from other countries
- D. Food production uses only synthetic chemicals

In Sicily's citrus super loop case study, how do they reduce citrus waste and create a closed loop system?

- A. Burning peels for energy without recycling
- B. Throwing peels directly into landfills
- C. Drying and milling peels
- D. Using peels as animal feed without processing

Which of the following is NOT a feature of regenerative farming?

- A. Building soil carbon
- B. Managed grazing
- C. Restoring ecosystems
- D. Using synthetic fertilizers

What is the similarity between agroecology and regenerative agriculture?

- A. Relying only on chemical fertilizers
- B. Nature powered farming
- C. Using machines to replace all labor
- D. Growing only one crop at a time

True or False

Food scraps are waste that have no potential for being reused

Short Answer

How does regenerative agriculture improve the health of farmland over time? Use one example from Lesson B to support your answer.

Answer should:

- Describe one example of regenerative agriculture
- Explain how it can improve farmland health
- Be 2-3 sentences long

Short Essay

In your own words, explain how agroecology applies the ideas of the circular economy to farming. Use at least two examples from Lesson B to show how these practices help create a self-regenerating agricultural system.

Requirements:

- Describe two examples from the Lesson B agroecology topic
- Explain how the circular economy applies to farming
- Be 3-5 sentences long