

# STUDENT GUIDE

## EXPLORE LESSON 3



### Part 1: Our Motivation

Record what we were trying to figure out that led to this investigation.



### Part 2: Summarize Information About Parts of the Dairy System

What kind of information about the steps in the system would be helpful for us to make progress on our investigation?

In your groups, divide up the cards between your group members so each person has at least two cards. Each card gives information about the inputs, outputs, and functions of the different components of the dairy system.

- Read the literature and watch the videos on your cards.
- Individually write a 2-3 sentence summary that paraphrases the inputs/outputs/impacts and function/purposes of each component of the dairy system in the graphic organizer below.



Card ____:		
Description and function of component:		
Inputs	Outputs	Boundaries of this component

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Description and function of component:		
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Join a classmate who has the same card as you. Share your findings for inputs, outputs, and boundaries. Below, write your group's consensus on this component of the dairy system.

Card ____:		
Description and function of component:		
Inputs	Outputs	Boundaries of this component

Reflect on why boundaries were helpful in analyzing components of the dairy system.

- What do boundaries help you understand about what you are focusing on and what you are not focusing on in this system?
- How do they help you understand how each component of the system interacts with things outside of the system?

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