

STUDENT GUIDE

ENGAGE LESSON 7



Part 1: Our Motivation

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



Part 2: Observing the Investigative Phenomena

Record what you observe about cows and climate in the video.



Part 3: Creating an Initial Model

Create an initial model that shows how you would currently answer our Module Question, *“How could cow burps be influencing climate change?”* In your model, be sure to utilize images, icons, and pictures to visually represent what is happening in the atmosphere.

Be sure to describe:

- How you are defining your system and its boundaries.
- How you think methane from cow burps influences climate.

Draw a copy of your model in the space below.



Part 4: Sharing Initial Models

Share your model with the class as instructed by your teacher. In the space below, reflect on the models of your peers. Record what you agree with and what you disagree with.

Agree	Disagree

Be ready to share what you found with the class. Record our Class Consensus Model in the space below.

What are gaps in our class model that you want to figure out more about?



Part 5: Asking New Questions

Record new questions you have that might help you:

- Find additional information about how the dairy system impacts the environment.
- “Fill in a gap” in your model or our class model.
- Settle an area of disagreement that we’ve identified in our models.