

STUDENT GUIDE

EXPLAIN LESSON 18



Part 1: Our Motivation

Record what we were trying to explain about the module phenomenon.



Part 2: Revising Initial Models

Review your initial model that explains our lesson question, “How does the dairy system impact plants and animals and why does it matter?”

Using the space provided, update your model and be sure to:

- Place “clearing land for growing crops for feed & building structures (barns, milking parlors)” in the middle of the model.
- Create arrows and new boxes to show the impacts you believe the system has on biodiversity.
- Show why the system has impacts on biodiversity, including through overpopulation, overexploitation, habitat destruction, and pollution.
- Show how the changes in biodiversity caused by the dairy system impact humans.

Be ready to share your model with the class. After sharing your model, make revisions based on the feedback you have received from your peers.

Explain how your model shows how the losses of biodiversity due to construction of the dairy system can impact humans.



Part 3: Asking New Questions

Record new questions you have that might help you:

- Find additional information about the impact of dairy on plants and animals.
- “Fill in a gap” in your model.
- Settle an area of disagreement that we’ve identified in our models.