

STUDENT GUIDE

EXPLAIN LESSON 5



Part 1: Our Motivation

Record what we are now trying to explain about the Module Phenomenon.

We saw how different molecules of milk were broken down in the process of digestion. We have gathered a lot of evidence about how milk is digested, so we will now return to our module phenomenon to try to explain it.

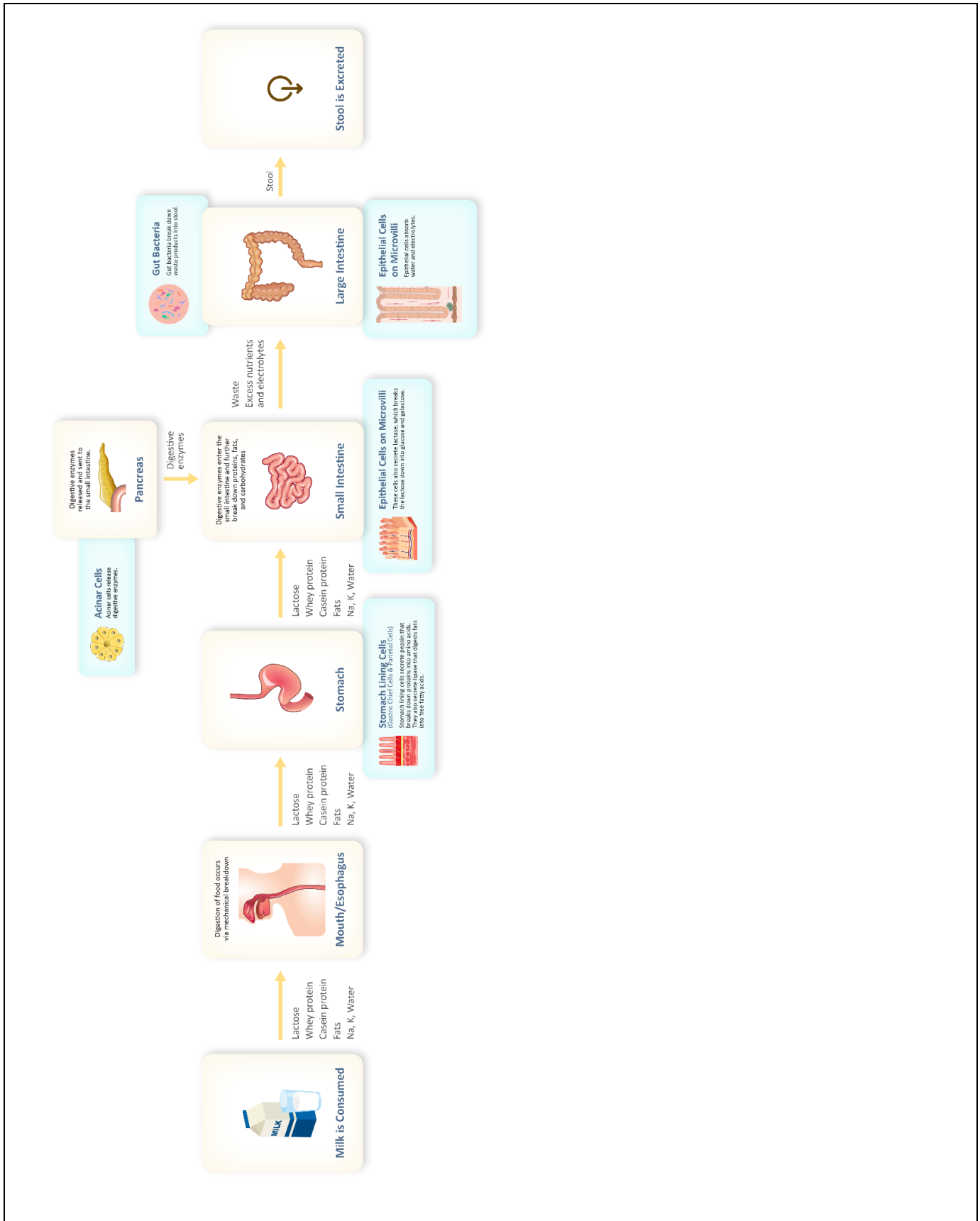


Part 2: Revising a Model of How Milk is Digested

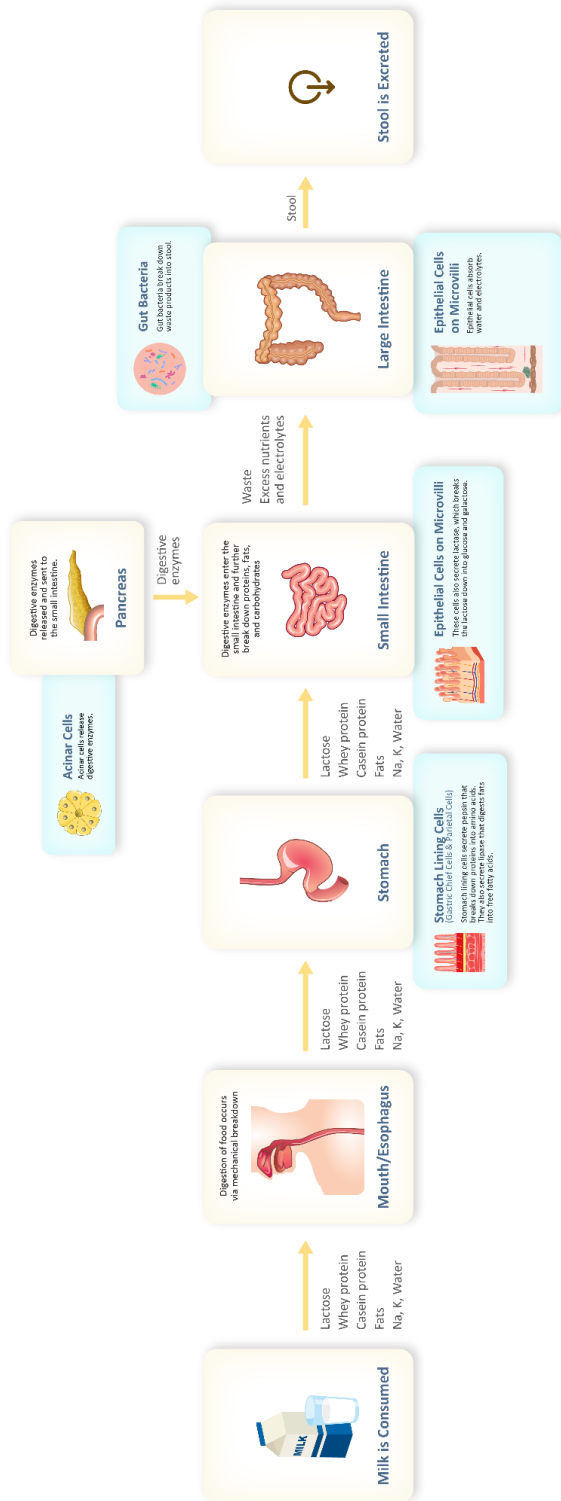
Using the evidence we have gathered, revise the Class Consensus Model from Lesson 2 that answers our Module Question, *How is milk digested after it is consumed?* In your models, be sure to include the following:

- Boxes to show each organ or component of the digestive system. Within each box, describe in one sentence the function of the organ.
- Arrows that show the molecules that move from one organ to another.
- Zoom-ins that show what specialized cells are present in each organ and a short description of the role the cells and their enzymes play in digestion.
- An indication of the size (e.g., in, m, cm, mm, um, or nm) of the organs and cells shown in the model.





Be ready to share features of your model to help the class construct a consensus model. Record the Class Consensus Model in the space below.





Part 3: Asking New Questions

Record any new questions that you have that might help you:

- Find additional information about how milk is digested after it is consumed.
- “Fill in a gap” in your model or our class model.
- Settle an area of disagreement that we’ve identified in our models.

- How are fatty acids, amino acids, and sugars used by the body after they are absorbed into the bloodstream?
- How do fatty acids, amino acids, and sugars help in recovery?
- Do fatty acids, amino acids, and sugars help in recovery in different ways?
- What happens to the body when exercising?