

STUDENT GUIDE

EXPLORE 2 LESSON 4



Part 1: Our Motivation

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



Part 2: Using a Model of Digestion

What does the Orders of Magnitude tool tell you about the relative sizes of the different biological objects in the pictorial models on your station card? Choose two different pairs of objects and use orders of magnitude to describe their relative sizes.

How can an understanding of orders of magnitude help you engage in the Science Theater model?

Engage in the model. As you **enact** the digestion model, record the nutrients (molecules) your organ received from the previous organ, what happens to those nutrients, the role of specialized cells, and the nutrients (molecules) you are sending to the next organ.

Nutrient	What Happens to These Nutrients in Your Organ	Role of Specialized Cells	Nutrient (molecule) that Moves on

As you **observe** the model, record how different organs and their specialized cells function to digest the nutrients (molecules) in milk.

Organ & Specialized Cells	Role of Organ and Specialized Cells in Digestion
Mouth/ Esophagus	
Stomach	
Small Intestine	
Large Intestine	