

Digestive System

Answer Key

Vocabulary: absorption, amino acid, carbohydrate, chemical digestion, chyme, complex carbohydrate, digestion, digestive system, elimination, enzyme, fat, fatty acid, fiber, food calorie, mechanical digestion, monoglyceride, nutrient, peristalsis, protein, starch, sugar, villus

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

[Note: The purpose of these questions is to activate prior knowledge and get students thinking. Students are not expected to know the answers to the Prior Knowledge Questions.]

1. Why do we need to eat food?

Answers will vary. Sample answer: Food provides a source of energy and raw materials for growth and development.

2. How do you think our bodies break food down into useful **nutrients**?

Answers will vary. Sample answer: Teeth chew food into small pieces, which are swallowed and transported to the stomach. Chemicals in the stomach and intestines further break down food into simple nutrients, which are absorbed into blood.

Gizmo Warm-up

The **digestive system** is a group of organs that does three things:

- First, the digestive system breaks food down into useful nutrients, a process called **digestion**.
- Next, the nutrients move into the bloodstream, a process called **absorption**.
- Finally, the leftover waste is removed from the body, a process called **elimination**.

Mouth/pharynx

The mouth contains teeth, which cut and gr to push food back into the throat, or pharynx



With the *Digestive System Gizmo™*, you can arrange the organs of the digestive system any way you like. To begin, look at the organs on the **Large Organs** tab. Place your cursor over each organ to learn more about it.

1. Which organs allow nutrients to be absorbed? *Small intestine and large intestine*
2. Which organ stores and compacts waste before it is eliminated? *Rectum*
3. Which two organs help to break food down mechanically? *Mouth, stomach*

Answer Key To Digestive System Section 48

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Jingaleski, Bart L. Frazzitta, Manjit S.
Bains**

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