1. Arrange the following organs in the order in which food passes through them in the digestive system: esophagus, large intestine, mouth, small intestine, stomach.

2. Identify the three areas of the digestive system in which mechanical digestion takes place.

3. Summarize what happens to food as it moves through the digestive system.

4. Diarrhea is a condition in which the feces contain too much water. Deduce which part of the digestive system is malfunctioning for this to occur.

5. A person’s gallbladder might need to be surgically removed when he or she has problems with gallstones. Speculate about what effect removal of the gallbladder will have. Explain.
Section Quick Check

CHAPTER 35

Section 2: Nutrition

After reading the section in your textbook, respond to each question and statement.

1. Tell What is an essential amino acid, and how are essential amino acids different from other amino acids used by humans in protein synthesis?

2. Describe what MyPyramid is.

3. Explain why the daily input of energy from food should equal the amount of energy a person uses daily.

4. Calculate You and your friend sit down to watch a movie. You have a bag of tortilla chips. After the movie is over, you realize that you have eaten the entire bag of chips. According to the nutrition label on the chips, each 28-g serving contains 147 Calories, and there are 20 servings per bag. Assuming that you and your friend ate equal amounts, how many Calories did each of you consume? Show your work.

5. Suggest a good weight-loss strategy. Consider both diet and exercise.
Chapter 35: The Endocrine System

Quick Check

After reading the section in your textbook, respond to each statement.

1. List the glands of the endocrine system.

2. Describe what happens during an “adrenaline rush.”

3. Contrast the way steroid and nonsteroid, or amino acid, hormones interact with the plasma membrane of their target cell.

4. Organize Pair the following with the hormones they secrete.
   Glands: adrenal glands, hypothalamus, pituitary gland, thyroid
   Hormones: antidiuretic hormone, calcitonin, cortisol, human growth hormone

5. Conclude some of the ways a thyroid malfunction that affects thyroxine can affect an adult. Explain.