

Name _____ Date _____ Class _____

Food and Digestion ■ *Guided Reading and Study*

Final Digestion and Absorption

This section describes the roles of the small and large intestines in digestion.

The Small Intestine

1. What takes place in the small intestine?

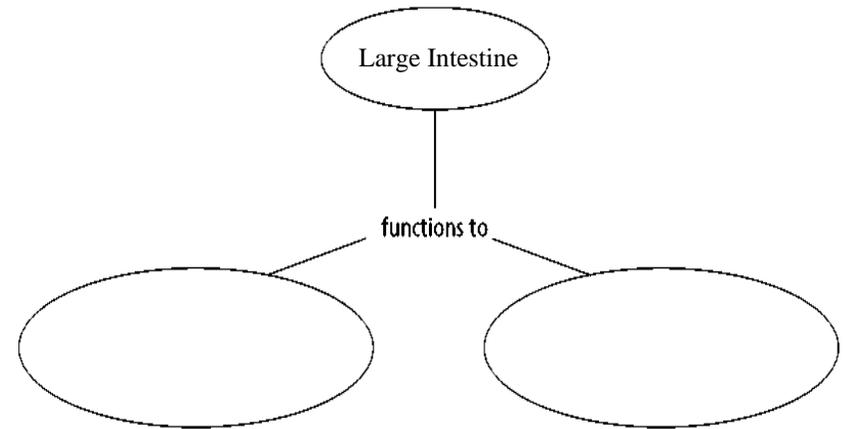
2. List the three organs that produce the enzymes and secretions used in the small intestine.
 - a. _____
 - b. _____
 - c. _____
3. The largest organ inside the body, which is located in the upper right part of the abdomen, is the _____.
4. A substance made by the liver that breaks up fat particles is called _____.
5. What is the role of the gallbladder?

6. Enzymes produced by the pancreas help break down _____, _____, and _____.
7. The tiny finger-shaped structures that cover the inner surface of the small intestine are called _____.

8. Is the following sentence true or false? Nutrient molecules pass from the small intestine into the bloodstream through the villi.

The Large Intestine

9. Is the following sentence true or false? The bacteria in the large intestine feed on the material passing through and make certain vitamins for the body. _____
10. Complete the concept map to show the role of the large intestine.



11. The short tube at the end of the large intestine where waste material is compressed is called the _____.
12. Circle the letter of the muscular opening through which wastes are removed from the body.
 - a. rectum
 - b. anus
 - c. pancreas
 - d. villi

Food and Digestion ■ *Review and Reinforce*

Final Digestion and Absorption

Understanding Main Ideas

Place a check mark in the correct column.

Characteristic	Small Intestine	Large Intestine
1. Contains bacteria that feed on material passing through.		
2. Most absorption of nutrients occurs here.		
3. Is lined with villi.		
4. Is directly attached to the stomach.		
5. Prepares wastes for elimination from the body.		
6. Most chemical digestion occurs here.		
7. Receives bile and enzymes from other organs.		
8. Is the last section of the digestive system.		

Answer the following questions in the space provided.

9. What happens to the water contained in the materials that pass into the large intestine?

10. What is bile?

Building Vocabulary

Match each term with its function by writing the letter of the correct function in the right column on the line beside the term in the left column.

- | | |
|---------------------|---|
| ___ 11. liver | a. stores bile |
| ___ 12. gallbladder | b. tiny finger-shaped structure in the small intestine in which absorption occurs |
| ___ 13. pancreas | c. solid wastes exit the body through this opening |
| ___ 14. rectum | d. produces bile |
| ___ 15. anus | e. structure in which waste material is compressed into solid form |
| ___ 16. bile | f. produces enzymes that flow into the small intestine |
| ___ 17. villus | g. breaks up fat molecules |