

Digestive System Guiding Questions

1. What are the functions of the digestive system? (p.382):

2. Define digestion. (p.382):

3. Define absorption. (p.383):

4. List the organs of the digestive system, in the order that they process food. (p.383):

5. What functions does the mouth perform in the process of digestion? (p.384):

6. What enzyme is secreted by the mouth, and what kinds of food does this enzyme help digest? (p.384):

7. What is the epiglottis, and what function does it perform? (p.385):

8. What is the esophagus, and what function does it perform? (385):

9. What is peristalsis, and where does it occur? (p.385):

10. What is the stomach, and what function does it perform? (386):

11. What two chemicals are secreted by the stomach to aid in digestion, and what function does each perform? (p.386):
12. Why does the acid in the stomach not eat through the stomach lining? (p.387):
13. What is the small intestine, and what functions does it perform? (p.390-91):
14. What is the average diameter and length of the small intestine? (p.390):
15. What roles do the liver and gallbladder play in digestion? (p.391):
16. What is bile, and how does it help digestion? (p.391):
17. What is the pancreas, and what roles does it play in digestion? Include in your answer the names of the three enzymes secreted by the pancreas, and the function of each. (p.386; p.392):
18. What are villi, and what function do they perform in the small intestine? (pp.392-93):
19. What is the large intestine, and what function does it perform? (p.393):
20. What is the rectum, and what function does it perform? (p.393):
21. What is the anus, and what function does it perform? (p.393):