

## Digestive System Study Questions

Dr. J. Lim

1. Give two other names for the digestive system.
2. The digestive system breaks down food so that it can be used for body fuel and \_\_\_\_\_.
3. The \_\_\_\_\_ is both the site of ingestion and the entry point of the digestive system.
4. The process of \_\_\_\_\_ is a good example of propulsion.
5. The action of \_\_\_\_\_ is a good example of mechanical digestion.
6. The vast majority (90%) of food absorption occurs here. \_\_\_\_\_
7. The name of a food ball that has just been swallowed is a \_\_\_\_\_.
8. During swallowing, the epiglottis tips \_\_\_\_\_ and the larynx moves \_\_\_\_\_.
9. The actions described in Q8 direct food down the \_\_\_\_\_ and keep food from entering into the \_\_\_\_\_.
10. The pancreas delivers its digestive enzymes into which part of the digestive tract?  
\_\_\_\_\_
11. The esophagus connects the pharynx with the \_\_\_\_\_.
12. Alcohol (liquor) is detoxified in this accessory digestive organ. \_\_\_\_\_
13. Chemical and mechanical digestion BOTH occur in the stomach. T or F
14. The sphincter (valve) at the junction of the stomach and small intestine is called the \_\_\_\_\_.
15. After food is processed in the stomach, it is sent to the small intestine and called \_\_\_\_\_.
16. The accessory digestive organ that is the major source of digestive enzymes is the \_\_\_\_\_.
17. The longest section of the digestive tract is the \_\_\_\_\_.
18. Bile is produced in this accessory digestive organ. \_\_\_\_\_
19. Bile is vital for proper metabolism of \_\_\_\_\_.

*Circle the best underlined choice.*

20. The function of the large intestine is to resorb glucose/water.
21. The external anal sphincter is under voluntary/involuntary control.
22. The digestive system is in the ventral/dorsal body cavity.
23. Alternating contraction and relaxation of the walls of the GI tract to move food along distally is called peristalsis/defecation.
24. The liver sits above/below the diaphragm and above/below the stomach
25. The digestive tract is a continuous, coiled, hollow muscular tube. true/false
26. A functional digestive system is essential to sustain life. true/false
27. The trachea is anterior (ventral) to the esophagus. true/false

## Digestive System Study Questions KEY

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1. Give two other names for the digestive system.  
**Gastrointestinal tract and Alimentary canal**
2. The digestive system breaks down food so that it can be used for body fuel and **raw materials**.
3. The **mouth** is both the site of ingestion and the entry point of the digestive system.
4. The process of **peristalsis** is a good example of propulsion.
5. The action of **chewing, churning of stomach and SI, segmentation, etc** is a good example of mechanical digestion.
6. The vast majority (90%) of food absorption occurs here. **small intestine (SI)**
7. The name of a food ball that has just been swallowed is a **bolus**.
8. During swallowing, the epiglottis tips **down** and the larynx moves **up**.
9. The actions described in Q8 direct food down the **esophagus** and keep food from entering into the **larynx and trachea**.
10. The pancreas delivers its digestive enzymes into which part of the digestive tract?  
**small intestine (SI)**
11. The esophagus connects the pharynx with the **stomach**.
12. Alcohol (liquor) is detoxified in this accessory digestive organ. **liver**
13. Chemical and mechanical digestion BOTH occur in the stomach. **true**
14. The sphincter (valve) at the junction of the stomach and small intestine is called the **pyloric valve**.
15. After food is processed in the stomach, it is sent to the small intestine and called **chyme**.
16. The accessory digestive organ that is the major source of digestive enzymes is the **pancreas**.
17. The longest section of the digestive tract is the **small intestine (SI)**.
18. Bile is produced in this accessory digestive organ. **liver**
19. Bile is vital for proper metabolism of **fat**.

*Circle the best underlined choice.*

20. The function of the large intestine is to resorb water.
21. The external anal sphincter is under voluntary control.
22. The digestive system is in the ventral body cavity.
23. Alternating contraction and relaxation of the walls of the GI tract to move food along distally is called peristalsis.
24. The liver sits below the diaphragm and above the stomach
25. The digestive tract is a continuous, coiled, hollow muscular tube. true
26. A functional digestive system is essential to sustain life. true
27. The trachea is anterior (ventral) to the esophagus. true