

**Overview of the Digestive System Functions WS**

*Instructions: Using the following choices. Complete the paragraph below with the correct word. (10 pts)*

- A. digestion   B. blood   C. chemically   D. ingestion   E. alimentary or GI tract  
 F. feces   G. excreted   H. peristalsis   I. accessory   J. mechanically

The digestive system is responsible for many body processes. The functions begin when food is taken into the mouth during a process called \_\_\_\_\_. \_\_\_\_\_ is a form of propulsion in which there are alternating waves of contraction and relaxation of smooth muscle. The process called \_\_\_\_\_ occurs as food is broken down both \_\_\_\_\_ and \_\_\_\_\_. For the broken-down foods to be made available to the body cells, they must be absorbed through the digestive system walls into the \_\_\_\_\_. Undigestible food remains are removed, or \_\_\_\_\_, from the body in the form of \_\_\_\_\_. The organs forming the continuous tube from the mouth to the anus are collectively called the \_\_\_\_\_. Organs located outside the digestive tract, which secrete their products into the digestive tract, are referred to as \_\_\_\_\_ digestive system organs.

**Digestive System – Multiple Choice (13 points)**

- The process of placing food into the mouth is known as \_\_\_\_\_.  
 A) mastication  
 B) ingestion  
 C) digestion  
 D) peristalsis
- Absorption of nutrients occurs mainly in the \_\_\_\_\_ where end products of digestion enter blood or lymph capillaries.  
 A) mouth  
 B) stomach  
 C) small intestine  
 D) large intestine
- Swallowing, peristalsis, and segmentation are all forms of \_\_\_\_\_ or movement of food from one region to another.  
 A) ingestion  
 B) mastication  
 C) propulsion  
 D) chemical digestion
- Digestion of starches (carbohydrates) first occurs in the \_\_\_\_\_.  
 A) mouth  
 B) stomach  
 C) small intestine  
 D) large intestine
- The digestion of proteins first occurs in the \_\_\_\_\_.  
 A) mouth  
 B) stomach  
 C) small intestine  
 D) large intestine
- \_\_\_\_\_ is indigestible substances that are eliminated during defecation.  
 A) enzymes  
 B) feces  
 C) urine  
 D) starch

7. \_\_\_\_\_ is a polysaccharide that cannot be digested in humans.

- A) starch
- B) glucose
- C) cellulose
- D) sucrose

8. \_\_\_\_\_ first begin digestion in the small intestine.

- A) carbohydrates (monosaccharides)
- B) carbohydrates (starch)
- C) proteins
- D) fats

9. Mechanical breakdown physically fragments food into smaller particles in order to increase \_\_\_\_\_.

- A) pH levels
- B) surface area
- C) volume
- D) muscle movement

10. \_\_\_\_\_ can be broken down into monosaccharides.

- A) carbohydrates
- B) proteins
- C) fats
- D) amino acids

11. Fats, also known as \_\_\_\_\_, are broken down into fatty acids and glycerol.

- A) lipids
- B) cellulose
- C) amino acids
- D) glucose

12. \_\_\_\_\_ is the elimination of indigestible substances vis the anus.

- A) ingestion
- B) propulsion
- C) digestion
- D) defecation

13. All of the following are examples of mechanical breakdown EXCEPT

- A) chewing food in mouth by teeth
- B) churning of food in stomach
- C) segmentation in small intestine
- D) release of saliva by salivary glands