

Questions (think of questions that might be on the exam)

## I. Functions of the Digestive System

### 1. Digestive System has 3 main functions

- Breaks down food into \_\_\_\_\_ that the \_\_\_\_\_ can use
- Those \_\_\_\_\_ are absorbed into the \_\_\_\_\_ and carried throughout the \_\_\_\_\_
- \_\_\_\_\_ are eliminated from the \_\_\_\_\_

### 2. Digestive System

- Mouth
- \_\_\_\_\_
- \_\_\_\_\_
- Small intestine
- \_\_\_\_\_

## A. Digestion

- Digestion = the process by which your body \_\_\_\_\_ down food into small \_\_\_\_\_ molecules
- \_\_\_\_\_ kinds of digestion
  - \_\_\_\_\_ = physically broken down
  - \_\_\_\_\_ = chemically broken down

## B. \_\_\_\_\_ and \_\_\_\_\_

- Absorption = the process by which \_\_\_\_\_ molecules \_\_\_\_\_ the wall of your digestive system into your \_\_\_\_\_
- What is not absorbed is \_\_\_\_\_ as waste

## II. The Mouth

- Both mechanical and \_\_\_\_\_ digestion begin in the Mouth

### A. Mechanical Digestion in the Mouth

- \_\_\_\_\_ carry out the first stage of mechanical digestion

### B. \_\_\_\_\_ Digestion in the Mouth

- Chemicals in the \_\_\_\_\_ break down food \_\_\_\_\_
- \_\_\_\_\_ = protein that \_\_\_\_\_ up chemical reactions in the body (and in the \_\_\_\_\_ to aid in chemical digestion)

## III. The \_\_\_\_\_

- \_\_\_\_\_ = a muscular tube that connects the \_\_\_\_\_ to the \_\_\_\_\_
- Epiglottis = a flap of tissue that \_\_\_\_\_ off your \_\_\_\_\_, preventing the \_\_\_\_\_ from entering
- Mucus = a thick, slippery substance \_\_\_\_\_ the esophagus

a. makes food \_\_\_\_\_ to \_\_\_\_\_ and move

4. \_\_\_\_\_ = waves of smooth muscle  
\_\_\_\_\_ that push that food through the  
\_\_\_\_\_ to the \_\_\_\_\_

a. also occurs in the \_\_\_\_\_ and farther down

#### IV. The Stomach

1. Stomach = a \_\_\_-shaped, muscular \_\_\_\_\_ located in the abdomen where \_\_\_\_\_ of the \_\_\_\_\_ and some of the \_\_\_\_\_ digestion occurs

##### A. Mechanical digestion in the \_\_\_\_\_

1. 3 layers of \_\_\_\_\_ muscle contract to produce a \_\_\_\_\_ motion

2. This mixes \_\_\_\_\_ and \_\_\_\_\_ like a \_\_\_\_\_ machine

##### B. \_\_\_\_\_ digestion in the stomach

1. Occurs when \_\_\_\_\_ makes contact with digestive \_\_\_\_\_

2. \_\_\_\_\_ juice has the \_\_\_\_\_ pepsin  
a. \_\_\_\_\_ digests \_\_\_\_\_ in food

3. Digestive juice also contains \_\_\_\_\_ acid  
a. a very strong acid

4. Pepsin works \_\_\_\_\_ in an acidic environment

5. Hydrochloric acid kills many \_\_\_\_\_ bacteria that you swallow with your food

6. The hydrochloric \_\_\_\_\_ does not \_\_\_\_\_ holes in you because

a. thick \_\_\_\_\_ coating lines your \_\_\_\_\_

b. stomach \_\_\_\_\_ cells are quickly replaced when \_\_\_\_\_ or \_\_\_\_\_

7. Food stays in stomach until \_\_\_\_\_ material has been \_\_\_\_\_ down into \_\_\_\_\_

8. A few \_\_\_\_\_ after \_\_\_\_\_ mechanical digestion finishes

9. \_\_\_\_\_ food now is released into the next part of the \_\_\_\_\_ process

Summary (about 5 sentences):