

## Digestive system

Functions, Mouth, Pharynx, Esophagus

Name: \_\_\_\_\_  
Block: \_\_\_\_\_

1. List the two main functions of the digestive system.

1.

2.

## MATCHING

- \_\_\_\_\_ 1. Food moving from one part of the digestive system to another.
- \_\_\_\_\_ 2. Involuntary alternating waves of muscle contractions, squeezes food along the digestive tract
- \_\_\_\_\_ 3. Mixing of food, breaking large particles into smaller ones, churning of food to mix it with digestive juices
- \_\_\_\_\_ 4. Swallowing
- \_\_\_\_\_ 5. Well chewed food that is swallowed
- \_\_\_\_\_ 6. Elimination of undesirable substances from the body through the anus
- \_\_\_\_\_ 7. Voluntary placement of food into the mouth
- \_\_\_\_\_ 8. Back and forth movement of the muscular layers of the alimentary canal, to further mix food with digestive juices.
- \_\_\_\_\_ 9. Sequence of steps in which large food molecules are broken down into their building blocks by enzymes.
- \_\_\_\_\_ 10. Transport of digested end products from the GI tract into the blood.

- A) Bolus
- B) Ingestion
- C) Deglutition
- D) Propulsion
- E) Defecation
- F) Peristalsis
- G) Absorption
- H) Segmentation
- I) Chemical digestion
- J) Mechanical digestion

Match the structure on the left with the type of digestive organ on the right.

- \_\_\_\_\_ 1. Pharynx
- \_\_\_\_\_ 2. Large intestine
- \_\_\_\_\_ 3. Teeth
- \_\_\_\_\_ 4. Stomach
- \_\_\_\_\_ 5. Gall bladder
- \_\_\_\_\_ 6. Liver
- \_\_\_\_\_ 7. Tongue
- \_\_\_\_\_ 8. Small intestine
- \_\_\_\_\_ 9. Pancreas
- \_\_\_\_\_ 10. Pharynx
- \_\_\_\_\_ 11. Salivary glands
- \_\_\_\_\_ 12. Esophagus

- A) Alimentary Canal
- B) Accessory Organ

## SHORT ANSWER

1. List the two main groups of organs of the digestive system.

1.

2.

2. Distinguish between mechanical and chemical digestion

3. Distinguish between peristalsis and segmentation.

4. List three types of stimuli the Alimentary tract responds to.

1.

2.

3.

Describe the two responses that are either inhibited or activated in response to the stimuli in #4

1.

2.

5. Describe the two phases of swallowing (deglutition).

1.

2.

6. Explain how food is forced into the correct pathway when swallowing (why does it not go up or down the wrong tube)

1.

2.

3.

Why can fluids sometime come out of your nose when you talk or laugh while drinking?

7. Describe how food moves from your pharynx, through your esophagus and into your stomach.

describe the role of gravity in #7

8. Describe the following as it takes place in the mouth.

Food ingestion and breakdown:

1.

2.

3.

4

Food propulsion:

Food absorption: