

## Gastrointestinal Anatomy Quiz PDF

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#### Which enzymes are involved in carbohydrate digestion? (Select all that apply)

- Amylase
- Lipase
- Maltase
- Pepsin

#### Which part of the gastrointestinal tract is primarily responsible for nutrient absorption?

- Stomach
- Small Intestine
- Large Intestine
- Esophagus

#### What is the primary function of the gallbladder?

- Produces bile
- Stores bile
- Produces insulin
- Absorbs nutrients

#### Which part of the digestive system connects the mouth to the stomach?

- Pharynx
- Trachea
- Esophagus
- Duodenum

#### Explain the process of peristalsis and its importance in the gastrointestinal tract.

**What are the primary functions of the pancreas in digestion? (Select all that apply)**

- Produces insulin
- Produces bile
- Secretes digestive enzymes
- Neutralizes stomach acid

**Which of the following are functions of the liver? (Select all that apply)**

- Produces bile
- Stores bile
- Detoxifies blood
- Produces digestive enzymes

**What is the role of hydrochloric acid in the stomach?**

- Neutralizes stomach pH
- Activates pepsinogen to pepsin
- Absorbs nutrients
- Produces bile

**Which structures are part of the large intestine? (Select all that apply)**

- Cecum
- Ilium
- Colon
- Rectum

**Which part of the small intestine is primarily responsible for iron absorption?**

- Duodenum
- Jejunum
- Ilium

Cecum

**What are the primary differences between the small intestine and large intestine in terms of structure and function?**

**Which of the following are roles of the microbiome in the gastrointestinal tract? (Select all that apply)**

- Synthesizes vitamins
- Produces bile
- Protects against pathogens
- Absorbs nutrients

**Which of the following is NOT an accessory organ of the digestive system?**

- Liver
- Pancreas
- Spleen
- Gallbladder

**What is the main function of the large intestine?**

- Digest proteins
- Absorb water and electrolytes
- Produce bile
- Secrete digestive enzymes

**How does the structure of the villi in the small intestine facilitate nutrient absorption?**

**Describe the role of bile in the digestion of fats.**

**Which enzyme is responsible for breaking down proteins in the stomach?**

- Amylase
- Lipase
- Pepsin
- Lactase

**Discuss the impact of a high-fat diet on the digestive system and potential health consequences.**

**Which of the following are common disorders of the gastrointestinal tract? (Select all that apply)**

- GERD
- Diabetes
- IBS
- Crohn's disease

**Explain how the pH levels in different parts of the gastrointestinal tract affect enzyme activity and digestion.**