

GI Anatomy Quiz PDF

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Which layer of the GI tract wall contains smooth muscle responsible for peristalsis?

- mucosa
- Submucosa
- Muscularis externa
- Serosa

What is the main function of the gallbladder?

- Produces insulin
- Stores bile
- Secretes digestive enzymes
- Absorbs nutrients

Which enzymes are secreted by the pancreas? (Select all that apply)

- Amylase
- Lipase
- Pepsin
- Trypsin

Explain the process of peristalsis and its importance in the GI tract.

Discuss the impact of liver dysfunction on digestion and metabolism.

How does the structure of the stomach aid in its function of digestion?

What are the primary functions of the stomach? (Select all that apply)

- Protein digestion
- Nutrient absorption
- Food storage
- Mechanical breakdown of food

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

- Duodenum
- Jejunum
- Ileum
- Cecum

Which of the following are symptoms of GERD? (Select all that apply)

- Heartburn
- Diarrhea
- Acid regurgitation
- Abdominal pain

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

Which part of the GI tract is involved in water absorption?

- Stomach
- Small intestine
- Large intestine
- Esophagus

Which hormone stimulates the secretion of gastric acid?

- Insulin
- Glucagon
- Gastrin
- Secretin

Which hormones regulate digestive processes? (Select all that apply)

- Gastrin
- Cholecystokinin
- Adrenaline
- Secretin

Which organ is primarily responsible for nutrient absorption?

- Stomach
- Small intestine
- Large intestine
- Esophagus

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

- Cecum
- Jejunum
- Colon

Rectum

What is the primary role of the pancreas in digestion?

- Absorbs nutrients
- Produces bile
- Secretes digestive enzymes
- Stores vitamins

Outline the steps involved in the digestion and absorption of carbohydrates in the GI tract.

Which artery supplies blood to the stomach?

- Superior mesenteric artery
- Inferior mesenteric artery
- Celiac trunk
- Renal artery

Describe the role of the enteric nervous system in gastrointestinal function.

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

- Detoxification
- Bile production
- Insulin production

Protein synthesis