

Exam 3: NSG530/ NSG 530 (Latest 2023/ 2024) - Advanced Pathophysiology Exam Review| Guide with Questions and Verified Answers| 100% Correct

Q: the stomach is impermeable to what?

Answer:

water, but can absorb alcohol and aspirin as they are lipid soluble.

Q: blood to stomach is supplied by ?

Answer:

celiac artery- abundant!

Q: Three phases of gastric secretion

Answer:

- 1.cephalic phase
- 2.gastric phase
- 3.intestinal phase

Q: Motilin

Answer:

increases peristalsis

Q: Secretin

Answer:

decreases peristalsis

Q: Gastric mixing and emptying

Answer:

- Retropulsion
- Rate dependent on volume, osmotic pressure, and chemical composition

Q: Stimulation of gastric secretion

Answer:

- Eating
- Gastrin
- Paracrine pathways
- Acetylcholine
- Chemicals
- Ethanol, coffee, protein

Q: intrinsic factor

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Answer:

makes the absorption of vitamin B12 happen

Q: gastroferritin

Answer:

binds Fe²⁺ and transports it to small intestine

Q: phases of gastric secretion

Answer:

- 1.cephalic phase
- 2.gastric phase

3.intestinal phase

Q: Gastric juices include

Answer:

- Pepsin, an enzyme that digests protein
- Other Enzymes
- Hydrochloric Acid
- Mucus
- Salts
- Water

Q: acid plays what role in gastric secretion?

Answer:

dissolves food fibers, act as bac- tericide, convert pepsinogen to pepsin

Q: Pepsin

Answer:

Enzyme that breaks down proteins in the stomach secreted by chief cells

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Q: Mucous in stomach

Answer:

Protects stomach cells from gastric juices

Q: small intestine

Answer:

Digestive organ where most chemical digestion and absorption of food takes place

Q: Three sections of the small intestine

Answer:

1. Duodenum
2. Jejunum
3. Ileum

Q: ileocecal valve

Answer:

valve between the ileum of the small intestine and the cecum of the large intestine

Q: peritoneum

Answer:

Double-layered membrane surrounding the abdominal organs

Q: mesentery

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Answer:

a fused double layer of the parietal peritoneum that attaches parts of the intestine to the interior abdominal wall

Q: duodenum

Answer:

first part of the small intestine- supplied by the gastroduodenal artery

Q: jejunum

Answer: