

Multiple Choice Question (MCQ) from Source Document

[BL-1: Remembering]

Question 1:

What is the name of the enzyme in saliva that begins the digestion of starch?

Options:

- A) Salivary amylase
- B) Pepsin
- C) Lingual lipase
- D) Trypsin

Correct Answer:

Salivary amylase

[BL-1: Remembering]

Question 2:

What is the small, round slurry mass of food called after it has been chewed and mixed with saliva?

Options:

- A) Chyme
- B) Bolus
- C) Zymogen
- D) Feces

Correct Answer:

Bolus

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Question 3:

Gastric juice in the stomach is primarily composed of which two substances?

Options:

- A) Amylase and mucus
- B) Bile and lipase
- C) Hydrochloric acid and pepsin
- D) Trypsin and chymotrypsin

Correct Answer:

Hydrochloric acid and pepsin

[BL-1: Remembering]

Question 4:

What substance is secreted by the stomach to protect its wall from the damaging effects of its own chemicals?

Options:

- A)** Bile
- B)** Saliva
- C)** Gastrin
- D)** Mucus

Correct Answer:

Mucus

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Question 5:

What is the term for the waves of muscular contractions that move food through the digestive tract, such as down the esophagus and along the stomach wall?

Options:

- A)** Peristalsis
- B)** Mastication
- C)** Hydrolysis
- D)** Emulsification

Correct Answer:

Peristalsis

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Question 6:

What is the fourth and final stomach compartment in ruminants called?

Options:

- A)** Reticulo-rumen
- B)** Abomasum
- C)** Gizzard
- D)** Duodenum

Correct Answer:

Abomasum

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Question 7:

In an earthworm's digestive system, which part is used for the temporary storage of food?

Options:

- A)** Gizzard
- B)** Pharynx
- C)** Crop
- D)** Intestine

Correct Answer:

Crop

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Question 8:

According to the text, where are fats mainly digested in the human body?

Options:

- A)** In the mouth
- B)** In the stomach
- C)** In the esophagus
- D)** In the small intestine

Correct Answer:

In the small intestine

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Question 9:

What term refers to the physical breakdown of large pieces of food into smaller pieces?

Options:

- A)** Mechanical digestion
- B)** Chemical digestion
- C)** Catabolism
- D)** Absorption

Correct Answer:

Mechanical digestion

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Question 10:

Which phase of digestion is stimulated by the sight, thought, and smell of food?

Options:

- A)** Gastric phase
- B)** Cephalic phase
- C)** Intestinal phase
- D)** Excitatory phase

Correct Answer:

Cephalic phase

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Question 11:

According to the text, how long does the gastric phase of digestion typically take?

Options:

- A)** 1 to 2 hours
- B)** Less than an hour
- C)** 3 to 4 hours
- D)** 5 to 6 hours

Correct Answer:

3 to 4 hours

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Question 12:

Teeth are not made of bone, but are instead composed of tissues such as:

Options:

- A)** Cartilage and keratin
- B)** Muscle and lipids
- C)** Villi and microvilli
- D)** Enamel, dentine and cementum

Correct Answer:

Enamel, dentine and cementum

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Question 13:

What are the intestinal walls lined with to increase the surface area and improve the absorption of nutrients?

Options:

- A)** Villi
- B)** Cilia
- C)** Flagella
- D)** Gastrin cells

Correct Answer:

Villi

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Question 14:

What is the name of the enzyme that breaks down the disaccharide lactose into glucose and galactose?

Options:

- A)** Amylase
- B)** Lactase
- C)** Pepsin
- D)** Lipase

Correct Answer:

Lactase

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Question 15:

What is the general term for the inactive precursors of digestive enzymes, such as trypsinogen?

Options:

- A) Hormones
- B) Opines
- C) Zymogens
- D) Peptides

Correct Answer:

Zymogens

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Question 16:

Which enzyme, secreted by the stomach, is one of the three main enzymes that breaks down food proteins?

Options:

- A) Amylase
- B) Lipase
- C) Lactase
- D) Pepsin

Correct Answer:

Pepsin

[BL-1: Remembering]

Question 17:

What is the term for the process where enzymes are secreted into the environment to break down organic material, as seen in most fungi?

Options:

- A) External digestion
- B) Internal digestion
- C) Coprophagia
- D) Peristalsis

Correct Answer:

External digestion

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Question 18:

In an earthworm's digestive system, what substance does the esophagus add to neutralize acids?

Options:

- A)** Hydrochloric acid
- B)** Calcium carbonate
- C)** Mucus
- D)** Enzymes

Correct Answer:

Calcium carbonate

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Question 19:

What is the name of the thick, semi-liquid, partially digested food that enters the duodenum from the stomach?

Options:

- A)** Bolus
- B)** Gastric juice
- C)** Chyme
- D)** Bile

Correct Answer:

Chyme

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Question 20:

What is the term for the behavior practiced by animals like rabbits and hamsters where they eat their own specialized feces to re-digest food?

Options:

- A)** Mastication
- B)** Rumination
- C)** Peristalsis
- D)** Coprophagia

Correct Answer:

Coprophagia