

Frog's Digestive and Respiratory Systems

Biology · Answer Key · 19 Questions

1. What is the path of food immediately after the oesophagus in a frog?

- A) Intestine
- B) Liver
- C) Stomach**
- D) Rectum

2. Which organ secretes bile in a frog?

- A) Pancreas
- B) Gall bladder
- C) Stomach
- D) Liver**

3. Where is bile stored after being secreted by the liver?

- A) Stomach
- B) Pancreas
- C) Gall bladder**
- D) Duodenum

4. What is the primary function of the pancreas in digestion?

- A) Storing bile
- B) Capturing food
- C) Producing pancreatic juice with digestive enzymes**
- D) Absorbing digested food

5. How does a frog capture its food?

- A) Using its teeth
- B) With its bilobed tongue**
- C) By suction
- D) Using its forelimbs

6. What substances in the stomach walls aid in the digestion of food?

- A) Bile and pancreatic juices
- B) Saliva and enzymes
- C) HCl and gastric juices**
- D) Chyme and villi

7. What is partially digested food called when it leaves the stomach?

- A) Bile
- B) Chyme**
- C) Pancreatic juice
- D) Villi

8. To which part of the small intestine does chyme pass from the stomach?

- A) Rectum
- B) Oesophagus
- C) Duodenum**
- D) Cloaca

9. Which two digestive fluids does the duodenum receive through a common bile duct?

- A) Saliva and gastric juice
- B) Bile and pancreatic juices**
- C) HCl and chyme
- D) Mucus and water

10. What is the function of bile in the digestive process?

- A) Digesting carbohydrates
- B) Digesting proteins
- C) Emulsifying fat**
- D) Absorbing water

11. Where does the final digestion of food take place in a frog?

- A) Stomach
- B) Oesophagus
- C) Intestine**
- D) Rectum

12. What are the finger-like folds in the inner wall of the intestine called that absorb digested food?

- A) Chyme and bile
- B) Gastric juices and HCl
- C) Villi and microvilli**
- D) Pancreas and liver

13. Through which opening does undigested solid waste pass out of the frog's body?

- A) Ureter
- B) Oesophagus
- C) Cloaca**
- D) Duodenum

14. How do frogs respire in water?

- A) Through their lungs
- B) Through their skin**
- C) Through gills
- D) Through their stomach lining

15. What is the term for respiration through the skin in water?

- A) Pulmonary respiration
- B) Buccal respiration
- C) Cutaneous respiration**
- D) Gular respiration

16. How is dissolved oxygen exchanged through the skin during aquatic respiration?

- A) By active transport
- B) By osmosis
- C) By diffusion**
- D) By facilitated diffusion

17. Which organ is responsible for storing bile?

- A) Liver
- B) Pancreas
- C) Gall bladder**
- D) Stomach

18. What type of substances do pancreatic juices primarily digest?

- A) Fats and vitamins
- B) Minerals and water
- C) Carbohydrates and proteins**
- D) Fiber and salts

19. Which part of the digestive system connects the stomach to the rectum?

- A) Oesophagus
- B) Liver
- C) Intestine**
- D) Pharynx