

Biology Chapter 2 – Organisation

Key Knowledge Questions

1. Name the tissues found in the stomach
2. What is the function of glandular tissue in the stomach?
3. Name the acid found in the stomach
4. What chemical, important in digestion does the liver produce?
5. What is an enzyme?
6. What do enzymes do in our digestive system?
7. Name the three main enzymes
8. What enzyme is found in saliva?
9. What type of food does amylase breakdown?
10. What type of food do lipases breakdown?
11. What type of food do proteases breakdown?
12. What is starch broken down into?
13. What are fats broken down into?
14. What are proteins broken down into?
15. What enzyme is only released in the stomach?
16. What enzymes are released by the pancreas?
17. Which part of the digestive system is the location for the digestion and absorption of food?
18. What is the name of the theory used to explain enzyme action?
19. Where is bile stored?
20. What are the two functions of Bile?
21. Name the chemical used to test for simple sugars
22. What colour does Benedict's solution turn in the presence of sugars?
23. Name the chemical used to test for starch
24. What colour does iodine turn in the presence of starch?
25. Name the chemical used in the test for proteins
26. What colour does Biuret solution turn in the presence of proteins?
27. What two factors influence enzyme activity?

Key Knowledge Answers

1. Glandular, Muscular & Epithelial (all needed)
2. Release digestive juices
3. Hydrochloric
4. Bile
5. A Biological catalyst
6. Speed up the breakdown of our food
7. Amylase. Protease, Lipase
8. Amylase
9. Starch
10. Fats (Lipids)
11. Proteins
12. Glucose
13. Fatty Acids and Glycerol
14. Amino acids
15. Protease
16. Protease, Amylase, Lipase
17. Small Intestine
18. Lock and Key Theory
19. Gall Bladder
20. Emulsify Fats, Provide alkaline conditions in the small intestine
21. Benedict's
22. Blue to Orange/Red
23. Iodine
24. Brown to Blue/Black
25. Biuret
26. Blue to Purple
27. Temperature & pH