

The Human Digestive System

1. What is peristalsis?
2. The hepatic portal vein carries blood from the alimentary canal to the ...
3. What are the products of fat digestion?
4. What is the role of bile in fat digestion?
5. State a role of beneficial bacteria in the alimentary canal
6. State **two** good sources of protein in the human diet.
7. Proteins are digested to simpler substances. What are these simpler substances called?
8. State **two** ways in which villi are adapted for the absorption of soluble foods.
9. State **one** function of protein in the human body.
10. Name a process by which soluble foods are absorbed into the blood from the small intestine.
11. What type of food is mainly absorbed into the lacteal?
12. What are the final products of the digestion of a protein? ...
13. Give **two** good sources of protein in the human diet.
14. State **one** reason that your body needs protein.
15. Name **two** foods in which you found protein.
16. Distinguish between autotrophic and heterotrophic nutrition.
17. What is meant by egestion? From where does egestion occur?
18. Bile is secreted by the ...
19. State **one** reason why a low pH is important in the stomach
20. What is the function of the larynx?
21. Where is the epiglottis? What is its function?
22. Name a carbohydrate-digesting enzyme in the human alimentary canal. Where in the alimentary canal does this enzyme act? State the enzyme's product(s).
23. State the precise location of the liver in the human body.
24. State a role that the liver plays in the digestive process.
25. Write the dental formula for an adult human.
26. What is meant by absorption?
27. Give **one** function of symbiotic bacteria in the human digestive system.
28. Where in the digestive system are the products of digestion absorbed? State **one** way in which this part of the system is adapted for absorption.
29. In which part of the digestive system is water absorbed? Give another function of this part of the digestive system.

30. State the function of the following: epiglottis, larynx.
31. An organ for churning of food to chyme is the ...
32. Symbiotic bacteria in the large intestine produce ...
33. Waves of contractions passing along the gut is ...
34. What type of teeth grind food into smaller pieces?
35. What substance emulsifies fats?
36. Distinguish between mechanical and chemical digestion.
37. Explain how the small intestine is adapted for the absorption of the products of digestion.
38. Name the part(s) of the digestive system in which the following are absorbed into the blood.
 1. The products of digestion,
 2. Water.
39. Name a structure in the human digestive system, other than teeth, which is involved in mechanical digestion
40. Bile is involved in digestion in the human body.
 1. Where is bile produced?
 2. Where is bile stored?
41. 3. Where does bile act in the alimentary canal?
42. What is the role of peristalsis in the digestive system?
43. Where do the products of digestion enter the blood?
44. How do these products of digestion pass into the blood?
45. Name a process involved in the passage of the products of digestion into the blood.
46. State a benefit of dietary fibre.
47. What is meant by the term *digestion*?
48. From what part of the digestive system does the digested food enter the blood?
49. State **One** role of the pancreas in digestion and **One** role of the gall bladder in digestion.
50. Name the blood vessel that carries the digested food to the liver.
51. State **two** functions of the liver – other than the processing of digested food.
52. The colon contains many symbiotic bacteria – mostly 'good' bacteria. State **two** benefits we get from these bacteria.
53. Explain the word *digestion*.
54. Give **one** role for **each** of the following types of teeth: Incisors and Molars.
55. Peristalsis begins when food enters the oesophagus. What is meant by *peristalsis*?
56. Describe the following changes that happen to food in the stomach: Mechanical changes and Chemical changes.
57. What is the pH of the stomach contents?

58. Where does the partially digested food go when it leaves the stomach?
59. What is meant by a 'balanced' diet?
60. Distinguish between autotrophic nutrition and heterotrophic nutrition.
61. Explain what is meant by the term *pH*.
62. Suggest a biological explanation for the following: A person who has suffered from constipation may be advised to increase the amount of wholegrain cereal in her/his diet.
63. Name a substance transported to the liver by the blood in the hepatic portal vein.
64. Where in the human body is the liver located in relation to the stomach?
65. Where is bile stored after it has been made in the liver?
66. Give **one** role that the bile salts play in the digestive process.
67. Give **two** further functions of the liver, other than the manufacture of bile.
68. Name one good source of protein in the human diet
69. What is meant by the term digestion?
70. Why is digestion necessary?
71. Distinguish between mechanical and chemical digestion by writing a sentence about each.
72. The diagram shows part of the human alimentary canal and associated structures.
73. The bile duct carries bile from the _____ to the _____
74. From which part of the alimentary canal does food arrive into the duodenum
75. State one digestive function of the pancreas.