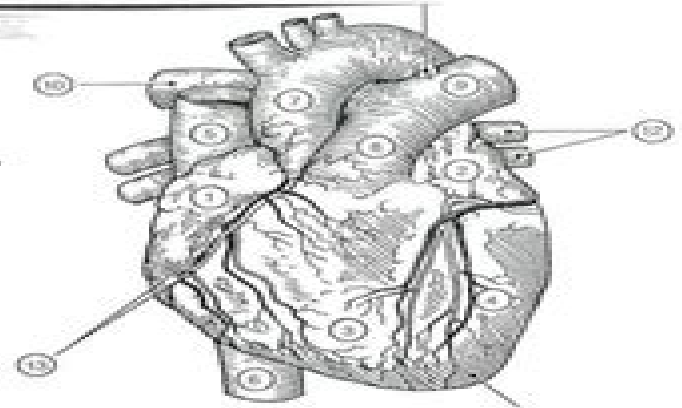


14 THE DIGESTIVE SYSTEM AND BODY METABOLISM



The digestive system processes food so that it can be absorbed and used by the body's cells. The digestive organs are responsible for food ingestion, digestion, absorption, and elimination of undigested remains from the body. In one sense, the digestive tract can be viewed as a disassembly line in which food is carried from one stage of its breakdown process to the next by muscular activity, and its nutrients are made available en route to the cells of the body. In addition, the digestive system provides for one of life's greatest pleasures—eating.

The anatomy of both alimentary canal and accessory digestive organs, mechanical and enzymatic breakdown, and absorption mechanisms are covered in this chapter. An introduction to nutrition and some important understandings about cellular metabolism (utilization of foodstuffs by body cells) are also considered in this chapter review.

ANATOMY OF THE DIGESTIVE SYSTEM

1. Complete the following statements by inserting your answers in the answer blanks.

1. Oral cavity
2. Digestion
3. Blood
4. Eliminated or excreted
5. Feces
6. GI tract
7. Accessory

The digestive system is responsible for many body processes. Its functions begin when food is taken into the mouth, or (1). The process called (2) occurs as food is broken down both chemically and mechanically. For the broken-down foods to be made available to the body cells, they must be absorbed through the digestive system walls into the (3). Undigestible food remains are removed, or (4), from the body in (5). The organs forming a continuous tube from the mouth to the anus are collectively called the (6). Organs located outside the digestive tract proper, which secrete their products into the digestive tract, are referred to as (7) digestive system organs.

Digestive System And Metabolism Anatomy Packet Answers

Dr. Tommy Mitchell



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Medical and Health Care Books and Serials in Print ,1987 **Federation Proceedings** Federation of American Societies for Experimental Biology,1973 Vols for 1942 include proceedings of the American Physiological Society Subject Guide to Children's Books in Print ,1976 Index to 35mm Educational Filmstrips National Information Center for Educational Media,1975 Digestive System & Metabolism Dr. Tommy Mitchell,2018-08-15 The fourth volume of the Wonders of the Human Body series dives deep into why our bodies need energy and how we get it As with all our explorations into the complexity of the human body when you see the incredible design of the digestive system you ultimately have to ask yourself Can this all possibly be an accident Something that happened by chance The answer is a resounding No We are not the product of evolution We are not animals We are a special creation In Digestive System Metabolism you will learn about The digestive system including the teeth and tongue the mouth and esophagus the stomach and intestines the liver the gallbladder and the pancreas Our metabolism a complex system created by God to transform food into fuel for our energy God our Designer thought of everything even the problems that would occur in a sin cursed world We are indeed wonderfully made Prepare to be amazed **Bibliography of Agriculture** ,1984 **Bibliography of Agriculture with Subject Index** ,1984 **Digestion and Nutrition, Third Edition** Mary Kinkel,Robert Sullivan,2021-11-01 Digestion is the process of taking food and nutrients into the body and making them available for use in all of the body s processes The digestive system breaks down food and extracts the important nutrients eliminating the excess substances that cannot be used These nutrients provide energy for the body to grow function and make repairs to itself Digestion and Nutrition Third Edition describes the path that food takes through the system the organs involved and how the body uses different types of nutrients while highlighting the importance of healthy eating and the problems and diseases that can affect the digestive tract Packed with full color photographs and illustrations this absorbing book provides students with sufficient background information through references websites and a bibliography Anatomy and Physiology : The Digestive System and Nutrition Rumi Michael Leigh, The Digestive System and Nutrition Things You Should Know Questions and Answers explains how the human body processes food and absorbs nutrients in a question and answer format The book introduces the main organs of the digestive system including the mouth esophagus stomach small intestine and large intestine along with accessory organs such as the liver gall bladder and pancreas It describes mechanical and chemical digestion peristalsis segmentation and the role of enzymes and hormones in breaking down food Key topics include absorption of nutrients bile production liver function pancreatic enzymes and the importance of villi and microvilli Nutrition is explored through macronutrients like carbohydrates proteins and lipids as well as micronutrients such as vitamins and minerals The text also covers conditions like gastritis jaundice cirrhosis pancreatitis and gallstones while examining processes such as glycogenesis glycogenolysis and metabolism This book will interest students health science learners and those studying anatomy and

physiology who want to understand the digestive system and the role of nutrition in maintaining health **Body of Evidence: The Digestive System DVD** ,2011-05-27 The average person eats about 100 000 pounds of food during his lifetime Have you ever considered what happens in the body to make use of all those grains meats and vegetables plus all those fun sweets Did you know that your stomach produces hydrochloric acid and your colon harbors more than 400 distinct species of helpful bacteria The adult digestive system is amazing The digestive tract itself is 20 30 feet long It takes about two hours for food to be rhythmically propelled through this system during which carbohydrates proteins fats vitamins minerals and water pass through the intestinal wall and into the bloodstream Accessory glands such as the pancreas liver and salivary glands aid in the digestive process and the utilization of food to make the fuel that the body uses for growth and metabolism Join Dr Menton as he uses computer graphics and anatomy models to reveal intriguing facts that inspire you to eat properly and to give glory to Christ the Creator Part 1 37 mins Part 2 37 mins

Unveiling the Power of Verbal Beauty: An Mental Sojourn through **Digestive System And Metabolism Anatomy Packet Answers**

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