# The Digestive System Notes Part 1

## I. OVERVIEW OF THE DIGESTIVE SYSTEM

#### A. Functions of the Digestive System

- 1. Ingestion Consuming food
- 2. Digestion Breakdown of ingested food into smaller molecule
- 3. Absorption Passage of nutrients into the blood
- 4. Metabolism-Converting nutrients into raw materials for Production of cellular energy (ATP)
- S. Elimination Removing indigestible wastes

#### **B.** Types of Digestion

- 1. Mechanical Digestion:
  - Chewing, mixing, churning, cutting, tearing, or mashing of food.
- 2. Chemical Digestion:
  - Enzymes break down food molecules into their building blocks.
    - Carbohydrates are broken down to simple sugars.
    - Proteins are broken down to amino acids.
    - Fats are broken down to fatty acids and alcohols



## II. ORGANS OF THE DIGESTIVE SYSTEM

## A. Two main types of digestive organs

- 1. Organs along the Alimentary canal (Gastrointestinal tract): continuous coiled hollow tube over 30 ft. long
  - Mouth, pharynx, esophagus, stomach, small and large intestine, rectum
- 2. Accessory digestive organs: Organs that contribute secretions (fluids) & enzymes to aid
  in digestion
  - o Salivary glands, liver, gall bladder, pancreas



## **B. ALIMENTARY CANAL ORGANS**

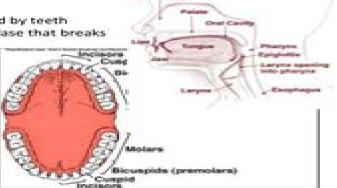
## 1. ORAL CAVITY (Mouth, Teeth, & Salivary Glands)

#### a. Mouth

- Food enters the mouth where digestion begins
  - MECHANICAL DIGESTION: Mastication (chewing) of food by teeth
  - CHEMICAL DIGESTION: Saliva contains the enzyme amylase that breaks down carbohydrates and starches in the mouth
- Bolus masticated food mixed with saliva

#### b. Teeth

- Function: chew food
- Humans have 2 sets:
  - 1. Deciduous (baby or milk) teeth
    - 20 teeth are fully formed by age two
  - 2. Permanent teeth (adult) teeth



Manual Carolina

# **Digestive System Assignment**

**Ken Green** 

# **Digestive System Assignment:**

Study Guide for Dental Technician First and Chief ,1949 **Study Guide for Dental Technician First and Chief** United States. Bureau of Naval Personnel,1950 Study Guide for Dental Technician 3 United States. Navy Department. Bureau of Medicine and Surgery, United States. Bureau of Naval Personnel, 1951 **Anatomy and Physiology Laboratory Guide** Edmond John Farris, 1944 Hospitalman United States. Bureau of Naval Personnel, 1961 1. 2. 3 Code!-Instructor's Manual Ken Green, 2006-08 Step-by-Step Medical Coding, 2016 Edition - E-Book Carol J. Buck, 2015-12-01 Take your first step toward a successful career in medical coding with guidance from the most trusted name in coding education From bestselling author Carol J Buck Step by Step Medical Coding 2016 Edition is a practical easy to use resource that shows you exactly how to code using all current coding sets Practice exercises follow each step of information to reinforce your understanding of important concepts In depth coverage includes reimbursement ICD 10 CM CPT HCPCS and inpatient coding with an Evolve website that includes 30 day access to TruCode Encoder Essentials No other text so thoroughly covers all coding sets in one source 30 day access to TruCode Encoder Essentials and practice exercises on the Evolve companion website provide additional practice and help you understand how to utilize an encoder product A step by step approach makes it easier to build skills and remember the material Over 475 illustrations include medical procedures and conditions to help you understand the services being coded Real world coding reports cleared of any confidential information simulate the reports you will encounter as a coder and help you apply coding principles to actual cases Dual coding includes answers for both ICD 10 and ICD 9 for every exercise chapter review and workbook guestion to help you ease into the full use of ICD 10 Exercises Quick Checks and Toolbox features reinforce coding rules and concepts and emphasize key information From the Trenches Coding Shots Stop Caution Check This Out and CMS Rules boxes offer valuable tips and helpful advice for working in today's medical coding field Four coding guestion variations develop your coding ability and critical thinking skills including one code or multiple code answers Official Guidelines for Coding and Reporting boxes allow you to read the official wording for inpatient and outpatient coding alongside in text explanations Coders Index makes it easy to quickly locate specific codes Appendix with sample Electronic Health Record screenshots provides examples similar to the EHRs you will encounter in the workplace Online practice activities on Evolve include questions such as multiple choice matching fill in the blank and coding reports A workbook corresponds to the textbook and offers review and practice with more than 1 200 theory practical and report exercises odd numbered answers provided in appendix to reinforce your understanding of medical coding Available separately NEW Separate HCPCS chapter expands coverage of the HCPCS code set UPDATED content includes the latest coding information available promoting accurate coding and success on the job Basic Pharmacology for Nurses Jessie E. Squire, 1961 **Supervised Study in** Mathematics and Science Stephen Clayton Sumner,1922 Federal Register ,2002-05-09 Diversified Health

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Telecourse Guide for Nutrition Pathways Marie Yost Maness, 1999-03-18

The Digestive System Margaret E. Smith, Dion G. Morton, 2011-11-18 This is an integrated textbook on the digestive system covering the anatomy physiology and biochemistry of the system all presented in a clinically relevant context appropriate for the first two years of the medical student course One of the seven volumes in the Systems of the Body series Concise text covers the core anatomy physiology and biochemistry in an integrated manner as required by system and problem based medical courses The basic science is presented in the clinical context in a way appropriate for the early part of the medical course The American Journal of Nursing ,1920 Albany Medical Annals ,1900 Study Guide for Dental Technician, 2 United States. Navy Department. Bureau of Medicine and Surgery,1950 Abbott v. Travelers Insurance Co., 208 MICH 654 (1920) , 39 Annual Reports of the Secretary of War United States. War Department,1918

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