

Week 7 - Digestion

1) Introduction to the Digestive System

Why is digestion so important?

Provides the body with:

- Nutrients
- Substrates for making new "stuff" (proteins, carbs & lipids for cell membrane, fats & cholesterol for hormones)
- Fuel source (for ATP)
- Energy for cellular metabolism

Organs of the digestive system

1) The alimentary canal (gastrointestinal tract)

Passageway for food as it moves from the mouth to the anus

How food moves through the alimentary canal (gastrointestinal tract)

Food enters in by:

1. Mouth (oral cavity)
2. Pharynx
3. Oesophagus (chewing of the mouth, swallowing and movement of the oesophagus provides mechanical/physical breakdown of the food products)
4. Stomach
5. Small intestine (breakdown of food and absorption of most nutrients occurs here, and the indigestible products move to the large intestine)
6. Large intestine (where indigestible products go - are removed via the anus)
7. Anus

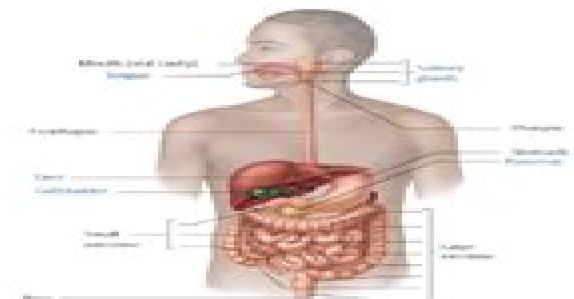
2) Accessory organs

Providing all the chemicals and solution required to perform the chemical digestion of the product

How the "accessory organs" are used to break all the food down

Is where we get all the required chemicals to help aid in the breakdown of foods

- Tongue - helps us move the food into the mouth and around it as we are breaking it down (mechanical breakdown)
- Salivary glands - provide enzymes in the saliva to help with the breakdown of food on a chemical level
- Liver - continues to aid in chemical digestion
- Gall bladder - stores things like bile to allow us to breakdown fats



Week 7 Digestion Study Guide Answers

CH Cherryholmes



Week 7 Digestion Study Guide Answers:

Illustrated Study Guide for the NCLEX-RN® Exam JoAnn Zerwekh, Jo Carol Claborn, 2010-01-05 Fun and engaging this must have review resource covers the nursing concepts and content found on the latest NCLEX RN examination It features a concise outline format that is perfect for studying as well as 2 020 review questions to test your knowledge and help you prepare for the exam Colorful illustrations and mnemonic cartoons clarify essential nursing concepts and offer a visual way for you to remember key facts for the NCLEX exam Answers and rationales are provided for every practice question Unique An integrated systems approach incorporates pediatric adult and older adult lifespan considerations in each body system chapter Unique Mnemonic cartoons provide a fun easy way to review and remember key nursing concepts A full color user friendly design enhances content and helps you quickly locate special features Appendixes for each chapter summarize medications and nursing procedures for quick reference Practice questions at the end of each chapter and on the companion CD 2 020 in all provide a wealth of NCLEX examination preparation in both print and electronic formats The companion CD features practice questions available in both study and quiz exam modes that are divided by content area and allow you to create a customized review experience based on your personal study needs Electronic alternate item format questions on the CD such as priority drag and drop and hot spot illustrated point and click questions prepare you for the interactive question types you will encounter on the computerized NCLEX examination Answers and rationales for all review questions help you understand why correct answers are right and incorrect options are wrong An Alert feature highlights key nursing concepts frequently found on the NCLEX examination Separate chapters on pharmacology and nursing management help you focus on these areas of emphasis on the NCLEX examination Additional practice questions raise the total to 2 020 in the book and on the companion CD More figures charts and cartoons further illustrate important anatomy procedures and disease processes Application and analysis questions challenge you to use your critical thinking skills and closely mirror the types of questions on the NCLEX RN examination UNIQUE A pediatric disorders icon makes it easy to distinguish pediatric disorders from adult disorders in chapters with system integrated content The detailed table of contents includes disorder headings to help you quickly find information on specific disorders within system integrated content

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adding more 200 questions to the total on the previous edition UNIQUE Mnemonic cartoons provide a fun easy way to review and remember key nursing concepts and disease processes UNIQUE The integrated systems approach incorporates pediatric adult and older adult lifespan considerations in each body system chapter UNIQUE Appendixes for each chapter summarize medications and nursing procedures for quick reference Alternate item format questions on Evolve prepare you for the interactive question types on the NCLEX examination including priority drag and drop and hot spot illustrated point and click questions Test Alert boxes in the book highlight key concepts frequently found on the NCLEX examination Answers and rationales for all review questions show why correct answers are right and incorrect options are wrong Separate chapters on pharmacology and nursing management help students to focus on these areas of emphasis on the NCLEX examination Nursing Priority boxes make it easier for students to distinguish priorities of nursing care Pharmacology tables make key drug information easy to find with high alert medications noted by a special icon Special icons distinguish pediatric and adult disorders and identify content on Self Care and Home Care NEW UPDATED content reflects the most recent NCLEX RN test plan and incorporates important clinical updates NEW 25 additional illustrations and mnemonics make the book more appealing than ever to the visual learner NEW Chapter on Culture and Spiritual Awareness addresses the addition of Culture and Spirituality to the Integrated Processes in the NCLEX test plan NEW Nursing Management and Ethical Legal concepts divided into two chapters emphasize the increasing amount of administrative duties nurses face and the importance of management of care on the NCLEX NEW Priority Concepts added to the beginning of each chapter assist you in concept based nursing programs in focusing on priority concepts for each chapter

[Illustrated Study Guide for the NCLEX-RN® Exam](#) JoAnn Zerwekh, MSN, EdD, RN, 2015-11-20 Prepare for the NCLEX with this fun full color review Illustrated Study Guide for the NCLEX RN Exam 9th Edition uses colorful drawings and mnemonic cartoons to cover the nursing concepts and content found on the NCLEX RN examination A concise outline format makes studying easier and the Evolve companion website includes 2 500 NCLEX exam style review questions including alternate item formats allowing you to create practice exams identify your strengths and weaknesses and review answers and rationales Written by NCLEX expert JoAnn Zerwekh this study guide offers a clear visual way to remember key facts for the NCLEX exam UNIQUE Mnemonic cartoons provide a fun easy way to review and remember key nursing concepts and disease processes UNIQUE The integrated systems approach incorporates pediatric adult maternity and older adult lifespan considerations in each body system chapter Practice questions on the Evolve companion website are available in both study and quiz modes and separated by content area allowing you to customize your review based on your personal study needs UNIQUE Appendixes for each chapter summarize medications and nursing procedures for quick reference Alternate item format questions on Evolve prepare you for the interactive question types on the NCLEX examination including priority drag and drop and hot spot illustrated point and click questions Answers and rationales for all review questions show why correct answers are right and incorrect options are

wrong Separate chapters on pharmacology and nursing management help you to focus on these areas of emphasis on the NCLEX examination Nursing Priority boxes make it easier to distinguish priorities of nursing care Pharmacology tables make key drug information easy to find with high alert medications noted by a special icon Special icons distinguish pediatric and adult disorders and identify content on Self Care and Home Care UPDATED content reflects the most recent NCLEX RN test plan and incorporates important clinical updates NEW 2 500 review questions are now included on the Evolve companion website adding more 200 questions to the total on the previous edition NEW Addition of SI Units and removal of trade name drugs reflects changes in the NCLEX RN test plan NEW Additional alternate item questions are included on Evolve and new questions incorporating video are also added NEW Test Alert boxes in the book highlight key concepts frequently found on the NCLEX examination NEW Additional memory notecard type illustrations are included in the book to accommodate visual learners

Study Guide for Lewis' Medical-Surgical Nursing - E-Book Mariann M. Harding, Collin

Bowman-Woodall, Jeffrey Kwong, Dottie Roberts, Debra Hagler, Courtney Reinisch, 2019-08-21 Get a leg up in your medical surgical nursing class and on the NCLEX examination with this essential study guide Corresponding to the chapters in the 11th edition of Lewis market leading text Medical Surgical Nursing Assessment and Management of Clinical Problems this study guide offers a complete review of the important information in your Lewis text as well as a wide variety of purposeful exercises to help you apply your understanding of key nursing concepts Questions reflect the most current NCLEX test plan and include multiple choice prioritization delegation case studies and alternate item formats Plus answers for all exercises are included in the back of the book to give you immediate feedback on your understanding and make studying easier overall A wide variety of clinically relevant exercises and activities include NCLEX examination style alternate item questions multiple choice questions prioritization questions delegation and case studies Answers to all questions located in the back of the book provide you with immediate feedback and help make your study time more efficient overall Attractive four color design helps you better retain key information NEW Updated content reflects the information revisions in the new 11th edition of Lewis's Medical Surgical Nursing text

Study Guide and Workbook, an Interactive Approach for Starr and

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Health Education in Secondary Schools Cyrus Mayshark, Roy

Archibald Foster, 1972 *The Educational Weekly*, 1884 **T.P.'s Weekly** Thomas Power O'Connor, Holbrook Jackson, 1902

T. P.'s Weekly ,1910 **The Saturday Review of Politics, Literature, Science and Art** ,1861 *The Medical World*
,1903 Bulletin ,1928 *The Agricultural Gazette and Modern Farming* ,1910 *The Freemason and Masonic*
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section learning objectives by the end of this section you will be able to do the following describe the structure and forces

present within the nucleus explain the three types of radiation write nuclear equations associated with the various types of radioactive decay

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aug 28 2023 radioactivity property exhibited by certain types of matter of emitting energy and subatomic particles spontaneously it is in essence an attribute of individual atomic nuclei radioactive decay is a property of several naturally occurring elements as well as of artificially produced isotopes of the elements

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quantum physics yet even though it has only 10 15 of the volume of the atom the nucleus contains more than 99 9 of the mass of the atom the nucleus is very small but very massive that was not predicted try to imagine the surprise and disbelief of scientists in 1911 when ernest rutherford discovered this incredible fact

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over 3 000 different kinds of atomic nuclei have been discovered in elements that span the periodic table yet each one has unique properties some may exist forever others transform within a fraction of a second some can power satellites as they travel to the outer reaches of the solar system others have special properties that allow them to treat different forms of cancer

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radioactivity some nuclides have an atomic nucleus that decays spontaneously without any external influence known as radionuclides they transform themselves into other nuclei ionising radiation is emitted during this process this is known as

radioactivity

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it some future development of atomic theory perhaps a modification of the thomson model would most likely yield a causal explanation of radioactivity in terms of the internal structure of the atom

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atomic physics deals with the atom as a system consisting of a nucleus and electrons nuclear physics deals with the nucleus as a system consisting of nucleons protons and neutrons the main difference is in the scale while the term atomic deals with 1Å 10 10 m where Å is an ångström according to anders jonas Ångström the term

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