

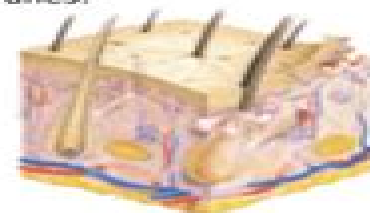
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Ch 4: Skin & Body Membranes Study Guide

Lisa Peck

Body membranes, which cover surfaces, line body cavities, and form protective (and often lubricating) sheets around organs, fall into two major groups. There are (1) **epithelial membranes**, which include the cutaneous, mucous, and serous membranes, and (2) **connective tissue membranes**, represented by synovial membranes.

The cutaneous membrane, generally called the skin or integumentary system, will receive most of our attention in this chapter, but first we will consider the other body membranes.



Objective Checklist

Classification of Body Membranes

- List the general functions of each membrane type-cutaneous, mucous, serous, and synovial-and give its location in the body.
- Compare the structure (tissue makeup) of the major membrane types.

Integumentary System (Skin)

- List several important functions of the integumentary system and explain how these functions are accomplished.
- When provided with a model or diagram of the skin, recognize and name the following skin structures: epidermis, dermis (papillary and reticular layers), hair and hair follicle, sebaceous gland, and sweat gland.
- Name the layers of the epidermis and describe the characteristics of each.
- Describe the distribution and function of the epidermal derivatives-sebaceous glands, sweat glands, and hair.
- Name the factors that determine skin color and describe the function of melanin.
- Differentiate between first-, second-, and third-degree burns.
- Explain the importance of the "rule of nines."
- Summarize the characteristics of basal cell carcinoma, squamous cell carcinoma, and malignant melanoma & explain the ABCD Rule

Developmental Aspects of Skin and Body Membranes

- Explain what occurs to adolescent skin
- List several examples of integumentary system aging.

Text: Multiple Choice: 1-3, 7, 8 Short Answer: 1-9, 12, 13 At the Clinic: 1-3, 5

CB: 1-3, 5, 6 (w/o C & D), 7, 9, 15, 17, 20, 22, 24

Skin And Body Membranes Study Guide

**Eric L Sun, Kevin T. Patton, Frank B.
Bell, Terry Thompson, Peggie L.
Williamson**



Skin And Body Membranes Study Guide:

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easier to review and apply key concepts and labeling of anatomy drawings helps in learning anatomical terms and structures Know your Medical Terms feature helps familiarize you with the various word parts used in medical terminology and pairs nicely with the Language of Medicine word lists in the main text to reinforce medical terminology concepts that are key to understanding A P Brief synopsis of core textbook concepts provides a comprehensive review of essential content Crossword Puzzles and Word Finds help you master new vocabulary terms Application Questions ask you to make judgments based on the information in the chapter Diagrams and labeling exercises help reinforce where the structures of the body are located Matching and fill in the blank exercises aid in understanding chapter content Answers to exercises are provided in the back of the guide along with references to the appropriate textbook page and the textbook objective so that you can easily find where the material is presented Study tips in the Preface provide an overview of the most effective methods for learning and retaining information

Study Guide for The Human Body in Health & Disease Linda Swisher, RN, EdD, Kevin T. Patton, PhD, Gary A. Thibodeau, PhD, 2013-02-15 Reinforce your understanding of the concepts in Patton and Thibodeau's *The Human Body in Health Disease* 6th Edition Corresponding to the chapters in the text this study guide reviews essential medical terminology concepts and processes related to the anatomy and physiology of the human body and body function in health and disease A variety of exercises make it easy to review and apply key concepts and labeling of anatomy drawings helps you learn anatomical structures and terminology UPDATED Did You Know provides fun interesting facts on A P topics A brief synopsis at the beginning of each chapter previews core concepts that will be covered Crossword Puzzle Unscramble and Word Find activities help you learn new vocabulary terms and their proper spelling Diagrams and labeling exercises reinforce your understanding of where the structures of the body are located Answers to exercises are located in the back of the study guide along with page number references to the textbook NEW Know Your Medical Terms exercises help you learn and understand the various word parts used in medical terminology as presented in the new Language of Science and Language of Medicine word lists in the textbook Matching and fill in the blank exercises enhance your comprehension of chapter content Application questions develop your critical thinking skills and help you apply information to real world scenarios

Study Guide to Accompany Structure and Function of the Body Linda Swisher, 2000 This comprehensive resource provides a variety of exercises for readers to apply and test their knowledge It contains matching fill in the blanks crossword puzzles word find unscramble the word application questions diagrams and page number references in the answer key December 2003

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Aehlert's EMT-basic Study Guide Barbara Aehlert,1998-01-01 The author a well known and respected specialist in the field provides the reader with authoritative coverage of what the EMT needs to know perfectly balanced between the question bank and the more comprehensive traditional text The presentation is clear and concise making the text an excellent addition to the EMT student s resources as well as a perfect tool to use in reviewing for refresher courses

Human Form, Human Function Kerry L. Hull,2011 Designed to accompany Human Form Human Function this student workbook offers chapter overviews chapter objectives focus questions mastery tests study activities and mastery test answers Student Notebook and Study Guide to Accompany The Human Body Bruce Wingerd,Patty Bostwick Taylor,2013-02-01 This Student Notebook and Study Guide the ideal companion to Bruce Wingerd s The Human Body reinvents the traditional study guide by giving students a tool to help grasp information in class and reinforce learning outside of class Too often students struggle to both learn the concepts presented and simultaneously record crucial information The Student Notebook and Study Guide provides a structure for recording in class material that parallels the text s concept presentation and includes supplemental questions and activities for assignment outside of the classroom A complete answer guide for both the in class and out of class materials is available online Study Guide for Fundamentals of Nursing - E-Book Geralyn Ochs,2025-02-17 Get the most from your fundamentals course with the Study Guide for Fundamentals of Nursing Corresponding to the chapters in Fundamentals of Nursing 12th Edition this completely updated study guide helps reinforce your understanding of key nursing concepts through review questions exercises and learning activities Next Generation NCLEX style question types and brief case studies help you study and prepare for your exams at the same time UPDATED Content coordinates with the Fundamentals of Nursing 12th Edition textbook Next Generation NCLEX NGN style questions in most clinical chapters help you develop clinical judgment and prepare for items you will see on the NCLEX Brief case studies for every chapter challenge you to apply the knowledge you have gained These are in addition to the case studies already presented in the text chapters and are separate from the NGN style questions Comprehensive Understanding sections cover the entire chapter in detail helping you master the content Preliminary

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web these ions are called spectator ions because they do not participate in the actual reaction canceling the spectator ions gives the net ionic equation which shows only those species that participate in the chemical reaction $2 \text{Ag}^+ \text{aq}$ $\text{CrO}_4^{2-} \text{aq}$ $\rightarrow 2 \text{CrO}_4^{2-} \text{s}$ label 4 2 3

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web chemical equation in which all dissolved ionic reactants and products including spectator ions are explicitly represented by formulas for their dissociated ions molecular equation chemical equation in which all reactants and products are

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web jan 29 2020 the ionic form of this reaction is $2 \text{Na}^+ \text{aq}$ $2 \text{Cl}^- \text{aq}$ $\text{Cu}^{2+} \text{aq}$ $\text{SO}_4^{2-} \text{aq}$ $2 \text{Na}^+ \text{aq}$ $\text{SO}_4^{2-} \text{aq}$ $\text{CuCl}_2 \text{s}$ the sodium ions

and sulfate ion are the spectator ions in this reaction they appear unchanged in both the product and reactant side of the equation

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web mar 11 2014 solution ionic equation $\text{H}^+ \text{aq} + \text{Cl}^- \text{aq} + \text{Na}^+ \text{aq} + \text{HCO}_3^- \text{aq} \rightarrow \text{H}_2\text{O} \text{l} + \text{CO}_2 \text{g}$ the spectator ions are Cl^- and Na^+
 net ionic equation $\text{H}^+ \text{aq} + \text{Cl}^- \text{aq} + \text{Na}^+ \text{aq} + \text{HCO}_3^- \text{aq} \rightarrow \text{H}_2\text{O} \text{l} + \text{CO}_2 \text{g}$ $\text{H}^+ \text{aq} + \text{HCO}_3^- \text{aq} \rightarrow \text{H}_2\text{O} \text{l} + \text{CO}_2 \text{g}$ here is a video on spectator ions
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web the six $\text{NO}_3^- \text{aq}$ ions and the six $\text{Na}^+ \text{aq}$ ions that appear on both sides of the equation are spectator ions that can be canceled to give the net ionic equation $3\text{Ba}^{2+} \text{aq} + 2\text{PO}_4^{3-} \text{aq} \rightarrow \text{Ba}_3(\text{PO}_4)_2 \text{s}$

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web these spectator ions whose presence is required to maintain charge neutrality are neither chemically nor physically changed by the process and so they may be eliminated from the equation to yield a more succinct representation called a

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 $\text{AgNO}_3 \text{aq} + \text{KCl} \text{aq} \rightarrow \text{AgCl} \text{s} + \text{KNO}_3 \text{aq}$ total ionic $\text{Ag}^+ \text{aq} + \text{NO}_3^- \text{aq} + \text{K}^+ \text{aq} + \text{Cl}^- \text{aq} \rightarrow \text{AgCl} \text{s} + \text{K}^+ \text{aq} + \text{NO}_3^- \text{aq}$ net ionic $\text{Ag}^+ \text{aq} + \text{Cl}^- \text{aq} \rightarrow \text{AgCl} \text{s}$

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web video answer you know spectator ions are the ions present on the both sides of the equation indicate cancels out in the total ionic equations so you know in a case chemical reactions are described with chemical equations which symbolically present the starting materials end products

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web net ionic equations an equation for a reaction in solution showing only those particles that are directly involved in the chemical change spectator ions an ion that is not directly involved in a chemical reaction an ion that does not change oxidation number or composition during a reaction products

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web the equation below is the final net ionic equation after elimination of the spectator ions which yields water $\text{H}^+ \text{aq} + \text{OH}^- \text{aq} \rightarrow \text{H}_2\text{O} \text{l}$ the spectator ions in $\text{KOH} \text{aq}$ and $\text{HNO}_3 \text{aq}$ are $\text{K}^+ \text{aq}$ and $\text{NO}_3^- \text{aq}$ how to identify and list the

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