

HUMAN ANATOMY & PHYSIOLOGY LABORATORY (BIO 001L)

Lab Exercise 3 – The Language of Anatomy

Name:

Section:

Date:

Learning Objectives

At the end of the laboratory period, the student should be able to:

1. Describe the anatomical position, and explain its importance
2. Use proper anatomical terminology to describe body regions, orientation and direction, and body planes
3. Name the body cavities, and indicate the important organs in each
4. Name and describe the serous membranes of the ventral body cavities
5. Identify the abdominopelvic quadrants and regions on a torso model or image

Visit the following links below to watch video clips about organ systems review:

A&P 1 Lab | Exercise 1: Anatomical Position, Directional Terms, & Body Planes

<https://www.youtube.com/watch?v=7VXNfp35Dw8>

Anatomical Terms of Direction and Planes of Section

<https://www.youtube.com/watch?v=TdL8P5G2J0M>

1. **Surface Anatomy.** Match each of the numbered descriptions with the related term in the key, and record the key letter or term in front (1 pt. each)

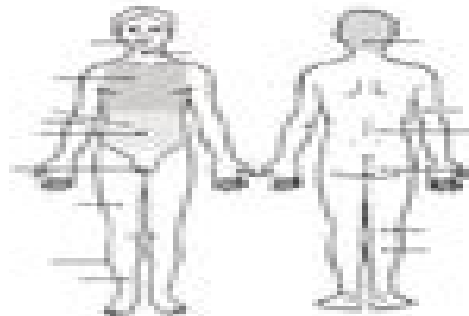
Key: a. buccal b. cephalic c. palmar d. calcaneal e. digital f. scapular

- | | |
|--------------------------|----------------------------|
| 1. cheek | 4. anterior aspect of knee |
| 2. fingers | 5. heel of foot |
| 3. shoulder blade region | 6. head |

2. Indicate the following body areas on the accompanying diagram by placing the correct number at the end of each line. (1 pt. each)

Key:

1. abdominal
2. antecubital
3. brachial
4. cervical
5. cranial
6. femoral
7. fibular
8. gluteal
9. humeral
10. occipital
11. oral
12. popliteal
13. pubic
14. sural



Anatomy Lab Exercise 4

Erin C. Amerman



Anatomy Lab Exercise 4:

Exercises for the Anatomy & Physiology Laboratory Erin C. Amerman, 2019-02-01 This concise inexpensive black and white manual is appropriate for one or two semester anatomy and physiology laboratory courses It offers a flexible alternative to the larger more expensive laboratory manuals on the market This streamlined manual shares the same innovative activities based approach as its more comprehensive full color counterpart *Exploring Anatomy Physiology in the Laboratory 3e* *Exploring Anatomy & Physiology in the Laboratory Core Concepts, 2e* Erin C Amerman, 2018-02-01 This brief version of *Exploring Anatomy and Physiology in the Laboratory 3e* is intended for one semester anatomy and physiology courses geared toward allied health students *Exploring Anatomy Physiology Laboratory Core Concepts* by Erin C Amerman is a comprehensive beautifully illustrated and affordably priced lab manual that features an innovative interactive approach to engage your students and help ensure a deeper understanding of A P

Laboratory Manual for Anatomy and Physiology Connie Allen, Valerie Harper, 2011-01-05 The *Laboratory Manual for Anatomy and Physiology* by Allen and Harper presents material in a clear and concise way It is very interactive and contains activities and experiments that enhance readers ability to both visualize anatomical structures and understand physiological topics Lab exercises are designed to require readers to first apply information they learned and then to critically evaluate it All lab exercises promote group learning and the variety offers learning experiences for all types of learners visual kinesthetic and auditory Additionally the design of the lab exercises makes them easily adaptable for distance learning courses *Anatomy and Physiology, Laboratory Manual* Connie Allen, Valerie Harper, 2016-12-28 The *Allen Laboratory Manual for Anatomy and Physiology 6th Edition* contains dynamic and applied activities and experiments that help students both visualize anatomical structures and understand complex physiological topics Lab exercises are designed in a way that requires students to first apply information they learned and then critically evaluate it With many different format options available and powerful digital resources it s easy to customize this laboratory manual to best fit your course *Laboratory Exercises in Anatomy and Physiology with Cat Dissections* Gerard J. Tortora, Robert B. Tallitsch, 2000 Aimed at undergraduate and pre professional students enrolled in either a one or two semester or quarter Human Anatomy and Physiology course that includes cat dissections as part of the laboratory experience This laboratory manual follows a body systems approach and features coverage of structures and use of the scientific method

A Laboratory Textbook of Anatomy and Physiology Anne B. Donnersberger, Anne Lesak Scott, 2005-10 At last a brand new fetal pig version of the classic laboratory textbook by Donnersberger and Lesak Scott This new book is the ideal lab text for a one or two term course in anatomy and physiology for students planning a health science or health related career Featuring fifteen integrated units each consisting of a Purpose Objectives Materials Procedures Self Test Case Studies and Short Answer Questions this comprehensive lab text makes an ideal companion to any current anatomy and physiology text or it can be used as both a main text and lab manual **Part -**

Anatomy & Physiology Laboratory Manual - E-Book Kevin T Patton, PhD, 2014-12-02 Effectively master various physiology dissection identification and anatomic explorations in the laboratory setting with the Anatomy Physiology Laboratory Manual 9th Edition This practical full color lab manual contains 55 different A P lab exercises that cover labeling anatomy identification dissection physiological experiments computerized experiments and more The manual also includes safety tips a comprehensive instruction and preparation guide for the laboratory and tear out worksheets for each of the 55 exercises In addition 8 e Lab modules offer authentic 3D lab experiences online for virtual lab instruction 8 interactive eLabs further your laboratory experience in the digital environment Complete list of materials for each exercise offers a thorough checklist for planning and setting up laboratory activities Over 250 illustrations depict proper procedures and common histology slides Step by step guidance for dissection of anatomical models and fresh or preserved specimens with accompanying illustrations helps you become acclimated to the lab environment Physiology experiments centering on functional processes of the human body offer immediate and exciting examples of physiological concepts Easy to evaluate tear out lab reports contain checklists drawing exercises and questions that help you demonstrate your understanding of the labs they have participated in Reader friendly spiral binding allows for hands free viewing in the lab setting Labeling and coloring exercises provide opportunities to identify critical structures examined in the lab and lectures Brief learning aids such as Hints Landmark Characteristics and Safety First are found throughout the manual to help reinforce and apply knowledge of anatomy and function Modern anatomical imaging techniques such as MRIs CTs and ultrasonography are introduced where appropriate Boxed hints and safety tips provide you with special insights on handling specimens using equipment and managing lab activities UPDATED Fresh activities keep the manual current and ensure a strong connection with the new edition of the A P textbook NEW Updated illustrations and design offer a fresh and upbeat look for the full color design and learning objectives NEW Expanded and improved student resources on the Evolve companion website include a new version of the Body Spectrum electronic coloring book [A Laboratory Textbook of Anatomy and Physiology](#) Anne Donnersberger, 2009 Thoroughly updated throughout and now incorporating a full color design and art program the ninth edition of A Laboratory Textbook of Anatomy and Physiology provides students with an accessible comprehensive introduction to A P It is specifically designed for the laboratory portion of a one or two term course in anatomy and physiology for students planning a health science allied health or health related career The texts 15 integrated units use the cat as the dissection animal while also emphasizing the human anatomy This classic text is a proven must have resource and learning tool for the A P lab [Laboratory Manual for Clinical Anatomy and Physiology for Veterinary Technicians](#) Thomas P. Colville, Joanna M. Bassert, 2015-03-31 Learn to apply your A P learning in the lab setting with Colville and Bassert s Lab Manual for Clinical Anatomy and Physiology for Veterinary Technicians 3rd Edition This practical laboratory resource features a variety of activities such as crossword puzzles terminology exercises illustration identification and labeling case

presentations and more to help reinforce your understanding of veterinary anatomy and physiology The lab manual also features vivid illustrations lists of terms and structures to be identified and step by step dissection guides to walk you through the dissection process Clinically oriented learning exercises help readers become familiar with the language of anatomy and physiology as you identify structures and learn concepts Clear step by step dissection instructions for complex organs such as the heart familiarize readers with the dissection process in a very visual easy to understand format Learning objectives the clinical significance of the content and lists of terms and structures to be identified appear at the beginning of each chapter Comprehensive glossary appears at the end of the lab manual and provides accurate concise High quality full color illustrations provides a firm understanding of the details of anatomic structure Review activities and study exercises are included in every chapter to reinforce important information Clinical Application boxes are threaded throughout the lab manual and demonstrate the clinical relevance of anatomic and physiologic principles Companion Evolve site includes answers to the Test Yourself questions in the textbook and crossword puzzles NEW Overview at a Glance sections outline the main proficiencies of each chapter and include a list of all exercises in the chapter **Medical Terminology in a Flash!**

Lisa Finnegan, Sharon Eagle, 2015-10-23 The 3rd Edition of this popular text features an emphasis on meeting the needs of all learning styles by providing a visually rich text an online learning program and perforated tear out flash cards at the back of the book

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