
BIOD 151 INTRODUCTION ANATOMY AND PHYSIOLOGY LAB EXAM 2 (RESPIRATORY SYSTEM)

1. List, in order, the anatomical structures found in the respiratory pathway. You should begin at the nose and end at the alveoli.
Nose – Pharynx – Larynx – Trachea – Right and Left Bronchi – Bronchioles – Alveoli
2. Which if the following statements is TRUE regarding structures within the respiratory tract?
 - a. The trachea contains cartilaginous rings to keep it from collapsing as air flow through it.
 - b. If a patient were to aspirate, the content would likely enter the left main bronchus.
 - c. The bronchi are a part of the respiratory division of the respiratory tract.
 - d. The pharynx is part of the conducting division of the respiratory tract.
 - e. **a and d are true.**
 - f. b and c are true.
 - g. All of the above statements are true.
3. You are assessing a child admitted to the hospital with croup. They are breathing at a rate of 32 breaths per minute. What is their Alveolar Ventilation Rate? (show your calculations.)
AVR = respiratory rate x (TV - dead air volume)
AVR = 32 breaths/min x 350mL
AVR = 11,200 mL/min

You are assessing a patient admitted to the hospital with pneumonia. They are breathing at a rate of 30 breaths per minute. What is their Alveolar Ventilation Rate? (show your calculations.)
AVR = respiratory rate x (TV - dead air volume)
AVR = 30 breaths/min x 350mL
AVR = 10,500 mL/min
4. List TWO reasons why we measure pulmonary ventilation? **Note: The student only has to provide two reasons.*
 1. To assess pulmonary function
 2. To assess severity of pulmonary disease
 3. To monitor improvement or deterioration of a diseases process

Anatomy And Physiology Lab Answer

N Colangelo



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Clinical Anatomy and Physiology Laboratory Manual for Veterinary Technicians Thomas P. Colville, Joanna M. Bassert, 2009-01-01 Reinforce the A P principles you ve learned in *Clinical Anatomy Physiology for Veterinary Technicians* 2nd Edition with this practical laboratory resource Filled with interactive exercises step by step procedure guidelines and full color photos and illustrations this lab manual is designed to help you understand A P in relation to your clinical responsibilities as a veterinary technician and apply your knowledge in the laboratory setting A comprehensive approach builds on the concepts presented in *Clinical Anatomy Physiology for Veterinary Technicians* 2nd Edition to strengthen your anatomical and physiological knowledge of all major species Engaging clinically oriented activities help you establish proficiency in radiographic identification microscopy and other essential skills Step by step dissection guides familiarize you with the dissection process and ensure clinical accuracy Clinical Application boxes demonstrate the clinical relevance of anatomical and physiological principles and reinforce your understanding Full color photographs and illustrations clarify structure and function A renowned author team lends practical guidance specifically designed for veterinary technicians A detailed glossary provides quick access to hundreds of key terms and definitions [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

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 exploring the concepts integral to an understanding of anatomy and physiology Ideal for laboratory settings that emphasize
 hands on learning this manual is organized to provide maximum flexibility Exercises are short enough to be mixed and
 matched and both cat and fetal pig dissection are included Report Georgia. Dept. of Education,1895 Annual Report
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