
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?

- The trachea contains cartilaginous rings to keep it from collapsing as air flow through it.
- If a patient were to aspirate, the content would likely enter the left main bronchus.
- The bronchi are a part of the respiratory division of the respiratory tract.
- The pharynx is part of the conducting division of the respiratory tract.
- a and d are true.**
- b and c are true.
- 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

Sandra Fucci Smith, Marianne P. Barba

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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 **Anatomy & Physiology (includes A&P Online course) E-Book** Kevin T. Patton, 2018-01-31 Anatomy

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Fundamentals of Anatomy and Physiology Roberta M. Meehan,1997-08 Lab courses in the fundamentals of anatomy and physiology This laboratory textbook is written to accompany Fundamentals of Anatomy and Physiology Fourth Edition by Frederic Martini It includes 70 exercises 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

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