

Chapter 16 - Respiratory System

Respiration:

The respiratory system consists of tubes that Filter, warm and moisten incoming air and transport it into the microscopic alveoli where gases are exchanged.

What are the three processes of respiration?
Internal and external respiration, cellular transport

Respiratory Organs:

The organs of the respiratory tract can be divided into two groups: the upper respiratory tract (nose, nasal cavity, sinuses, and pharynx), and the lower respiratory tract (larynx, trachea, bronchial tree, and lungs).

Nose:

The nose, supported by bone and cartilage, provides an entrance for air in which air is filtered by coarse hairs inside the nostrils.

Nasal cavity:

The nasal cavity is a space posterior to the nose that is divided medially by the nasal septum.

Nasal Conchae:

How many are there? 3

What is their function?

support mucous membranes, and increase the surface area to warm, moisten, and filter incoming air

Cilia:

Particles trapped in the mucus are carried to the pharynx by ciliary action, swallowed, and carried to the stomach where gastric juice destroys any microorganisms in the mucus.

Paranasal Sinuses:

What four bones are they found in?

Maxillary, frontal, ethmoid, sphenoid

What is their function?

Open into the nasal cavity, lined with mucous membranes continuous with nasal cavity

Chapter 16 Respiratory System Study Guide Answers

Linda Swisher, Kevin T. Patton



Chapter 16 Respiratory System Study Guide Answers:

Study Guide for The Human Body in Health & Disease - E-Book Kevin T. Patton, Frank B. Bell, Terry Thompson, Pegg L. Williamson, Eric L. Sun, 2023-03-02 Reinforce your understanding of the concepts in Patton's *The Human Body in Health & Disease* Corresponding to the chapters in the text this study guide reviews essential medical terminology concepts and processes related to anatomy and physiology and explains how body systems function in health and disease Each chapter begins with a quick synopsis of the key points in the textbook chapter A variety of exercises make it 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

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