

Respiratory System Lab

Dr. J. Lim

Terminology

Utilizing your notes and textbook define:

- pulmonary ventilation
- external respiration
- internal respiration
- cellular respiration

Upper Respiratory System Structures

Utilizing torso model, mid-sagittal head model, and respiratory system board:

Locate the major structures of the upper respiratory system and describe their functions

- nasal cavity
- pharynx
- larynx
- trachea

Lower Respiratory System Structures

Utilizing the lower respiratory model and the specimen of the dried lung:

Identify the lower respiratory system organs and describe the structure of each.

- bronchi
- bronchioles
- alveoli

Respiratory System function overview

Create a flowchart to describe the pathway of oxygen from the air to body cells using the following structures: *left ventricle, capillary, trachea, bronchi, pulmonary vein, arteriole, bronchiole, pharynx, larynx, alveolus, left atrium, aorta, artery*

Air → nostrils → nasal cavity →

→ body cells

Microscopic Examination of Respiratory Tissue

- Viewmaster Set 72 Respiratory System
 - Examine the slides of Set 72 to better understand the sections just completed.

FETAL PIG LAB ONE: Respiratory 1, Mouth, Pharynx & Thorax

FETAL PIG LAB TWO: Respiratory 2, Neck & Cardiovascular