

Respiratory System Lab

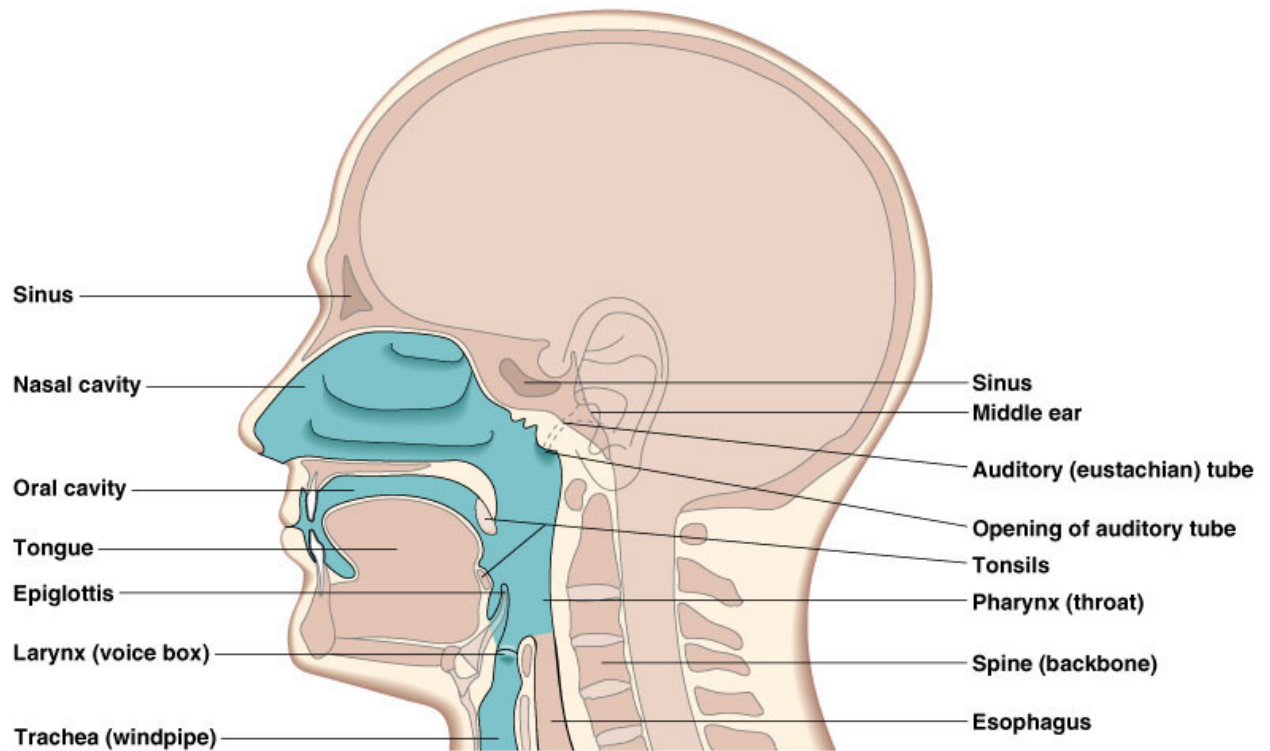
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Terminology

Utilizing your notes and textbook define:

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

Upper Respiratory System Structures



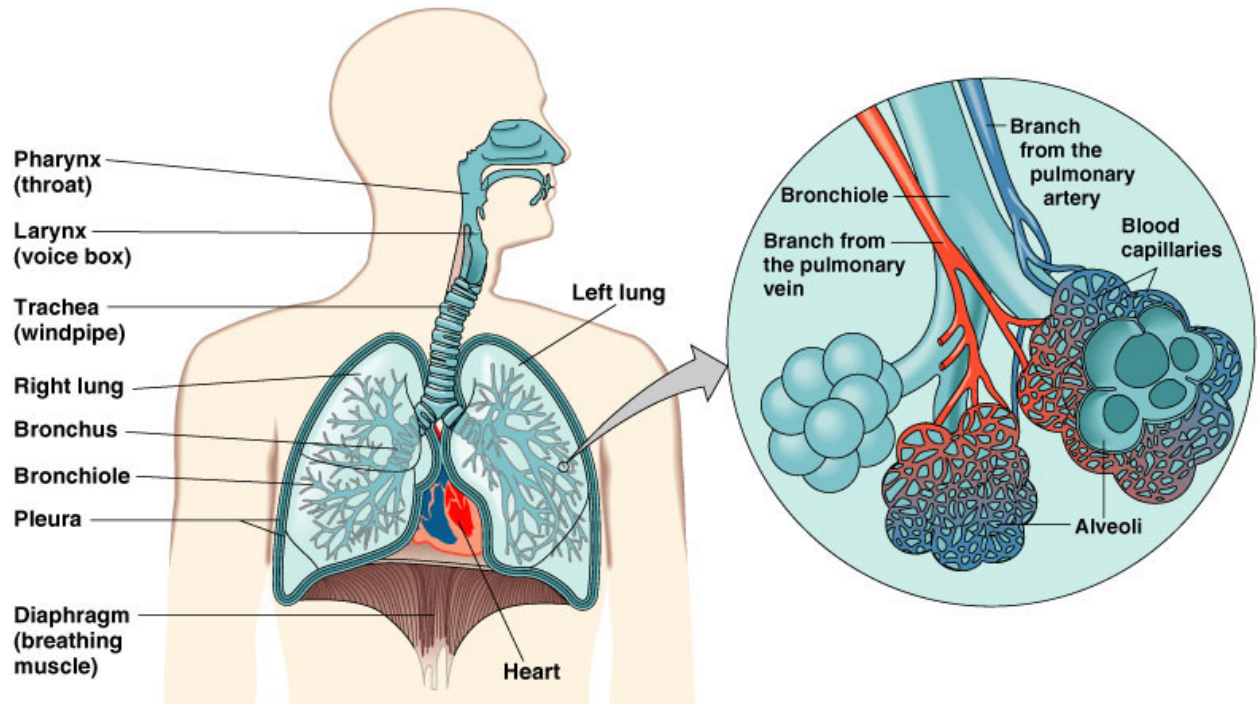
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Utilizing the torsos and the larynx/trachea/lungs model:

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

- nasal cavity
- pharynx
- larynx
- trachea

Lower Respiratory System Structures



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Utilizing the torsos and the larynx/trachea/lungs model:

Identify the lower respiratory system organs and describe their functions

- 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

Bellows Lung demonstration

- balloons represent the _____ & the rubber bladder represents the _____
- Grasp the knob on the rubber bladder at the bottom of the apparatus
 - GENTLY pull the knob down to simulate _____ of the _____
 - the balloons respond by _____
 - GENTLY push the knob up to simulate _____ of the _____
 - the balloons respond by _____

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

FETAL PIG LAB TWO: Respiratory 2, Neck & Cardiovascular