



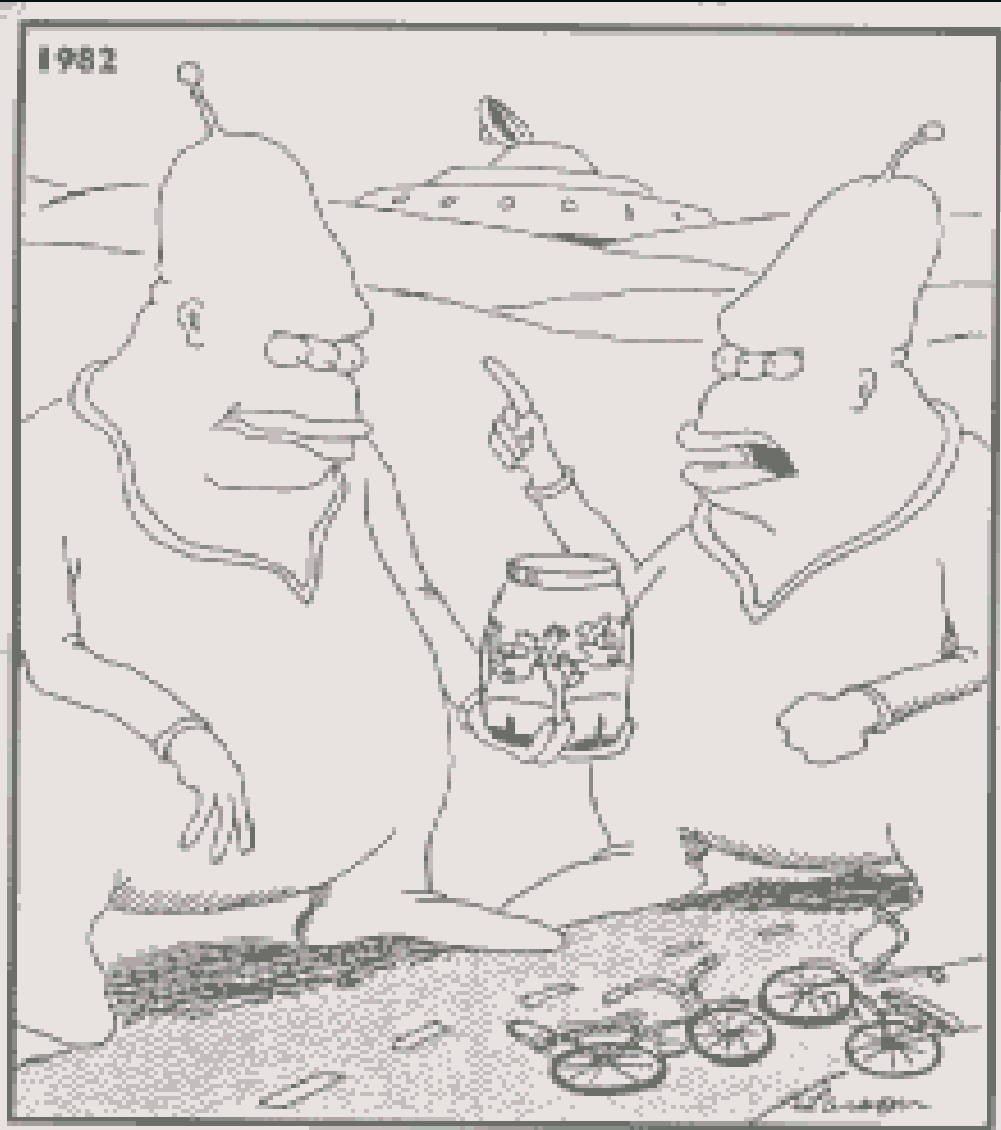
Respiratory System Anatomy

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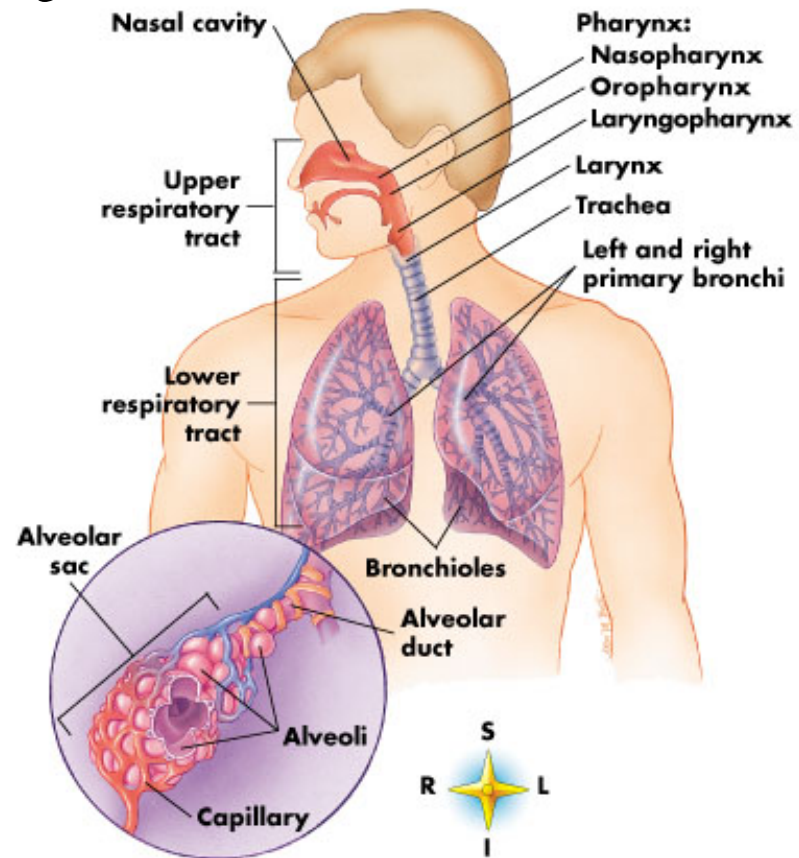
*The Need
for a Patent
Airway
Must Not
be Over
Looked!*



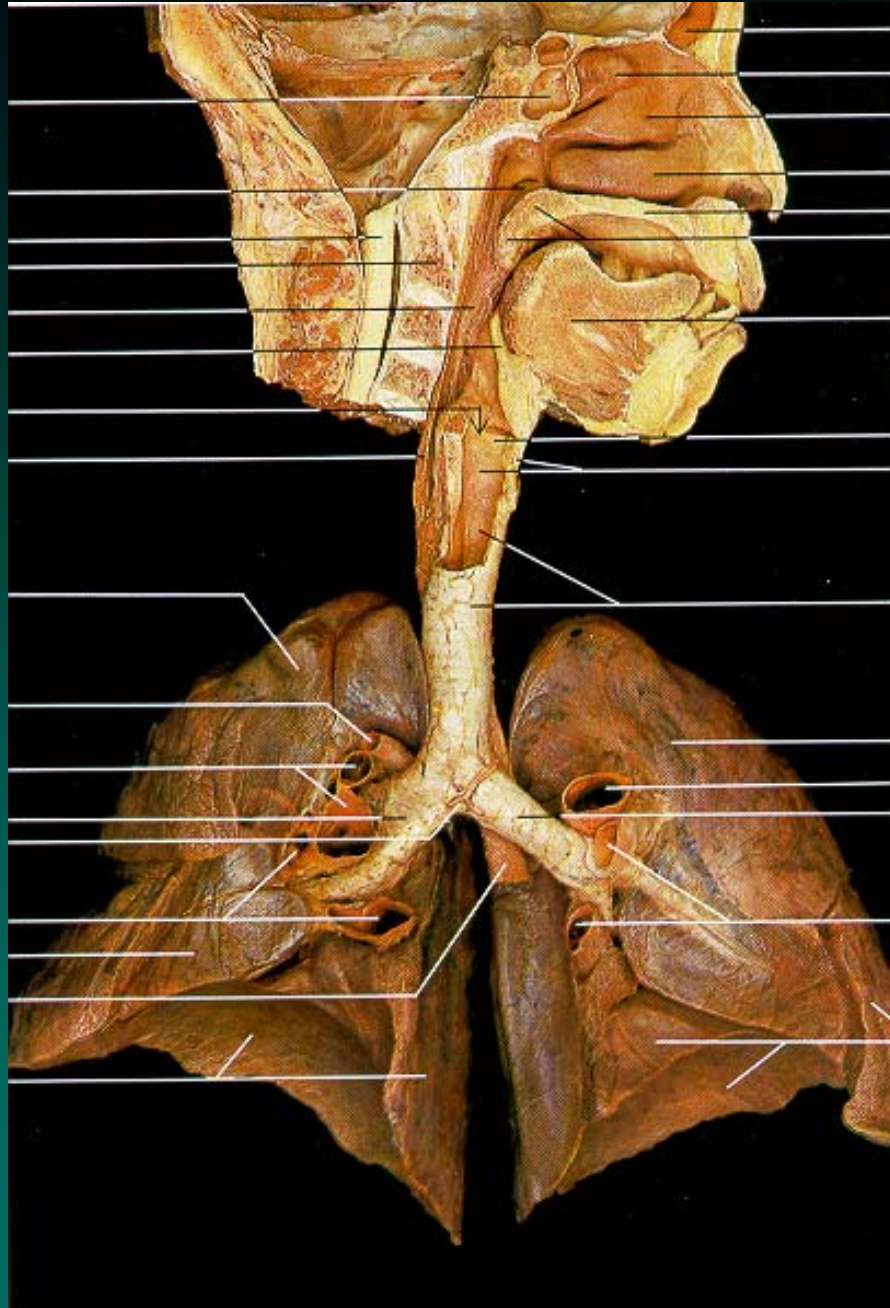
Now don't forget "Gorok",
This time, punch some holes in the Lid!

Airway Anatomy

- ❖ Upper Airway
 - all structures located above the glottic opening
- ❖ Lower Airway
 - Below the Vocal Cords and into the lungs

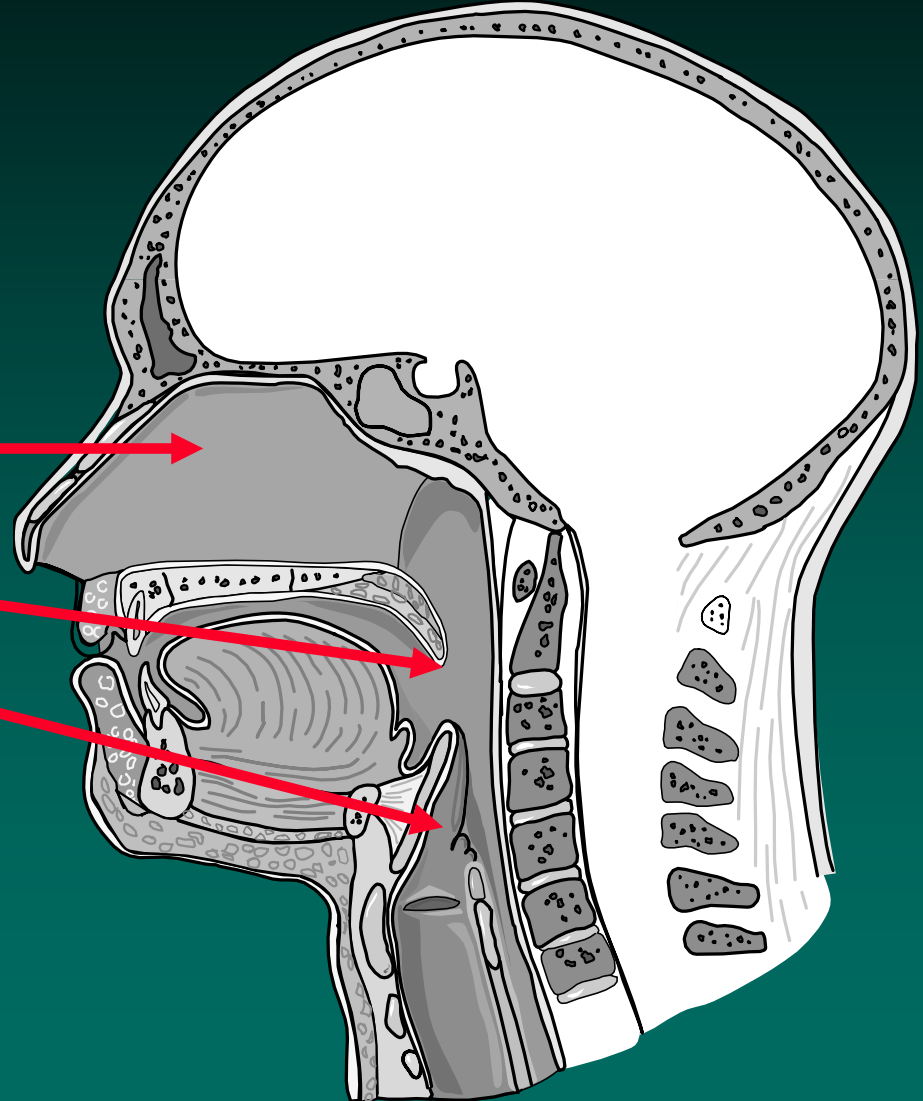


Airway Anatomy



Upper Airway Structures

- ❖ Nasopharynx
- ❖ Oropharynx
- ❖ Laryngopharynx



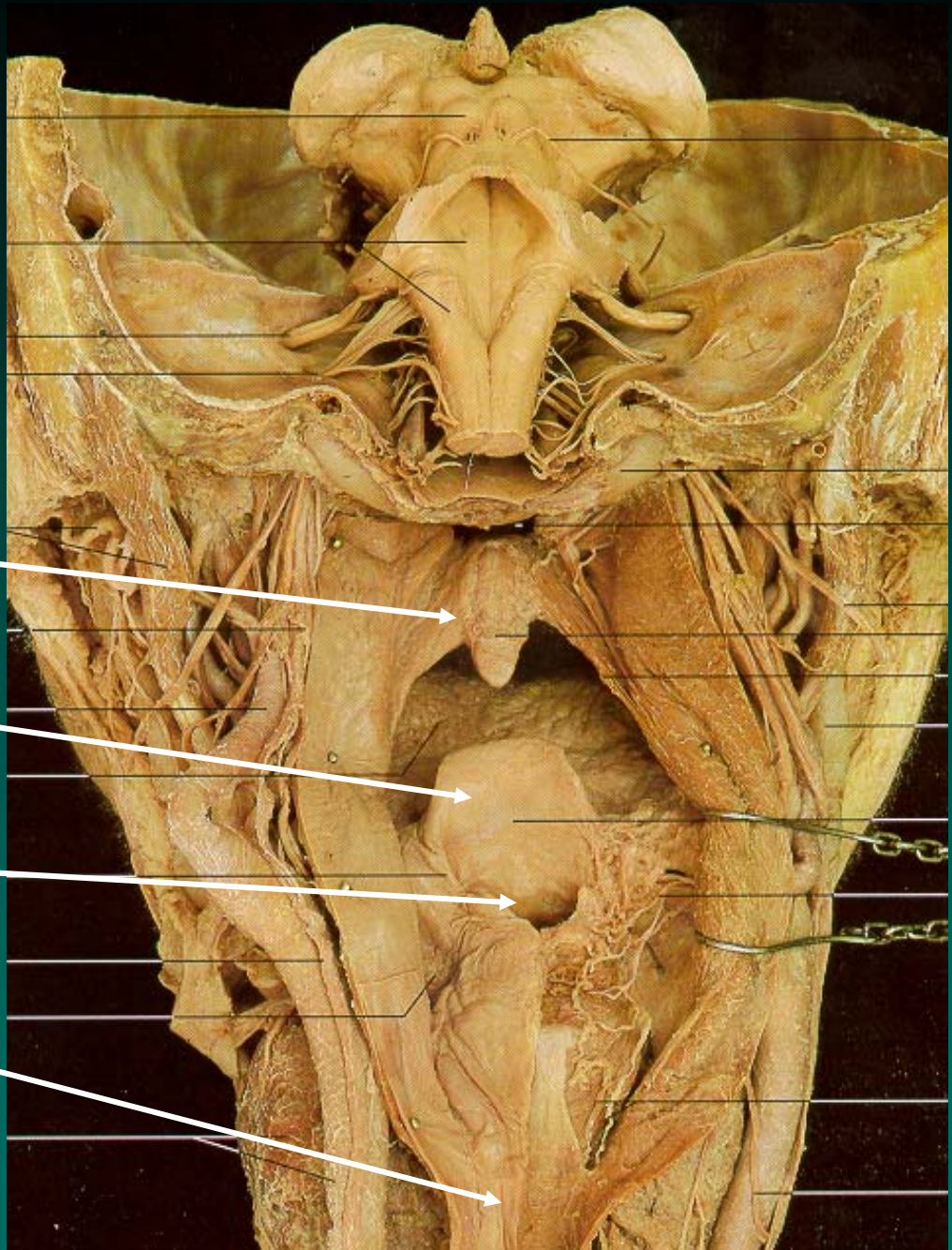
Upper Airway

Uvula

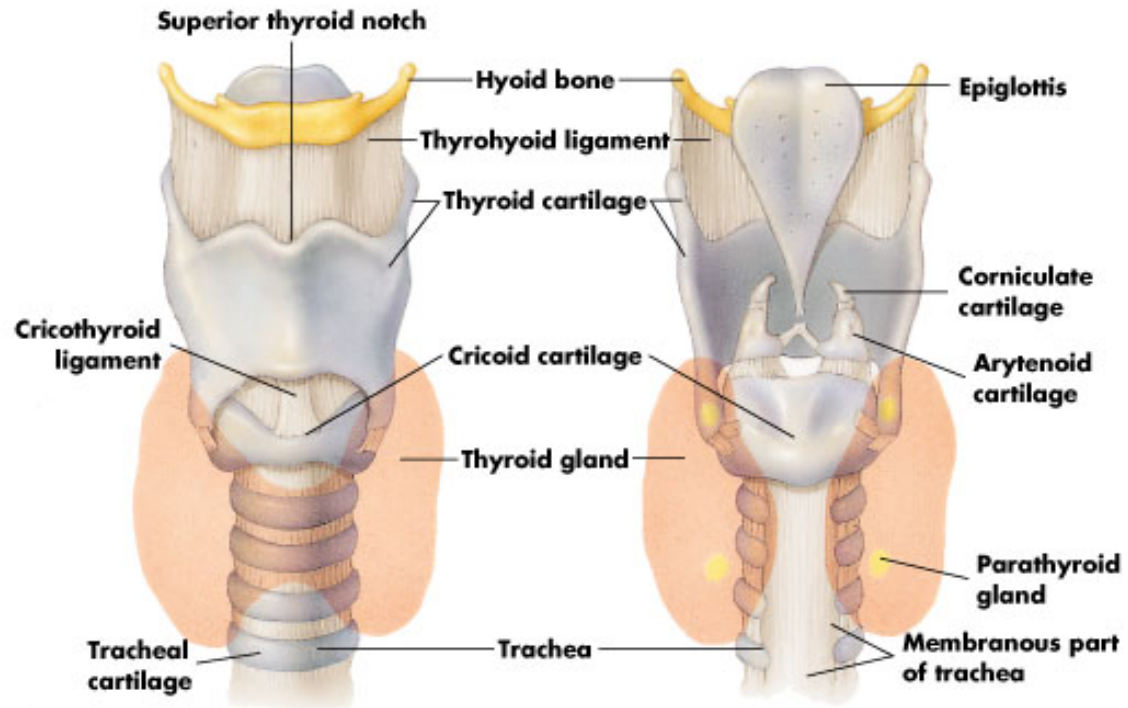
Epiglottis

Trachea

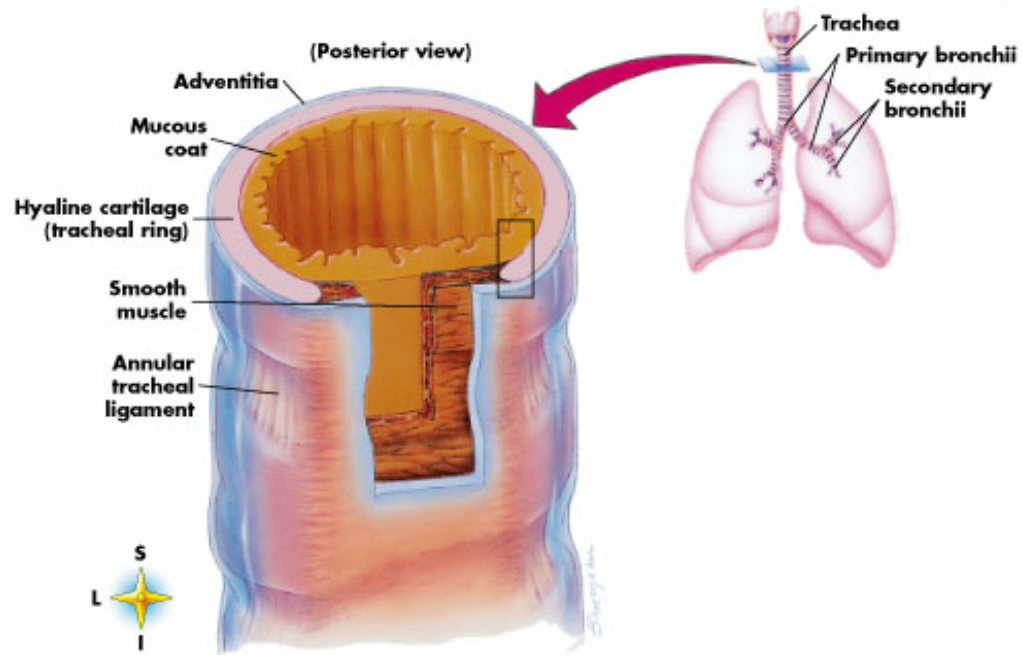
Esophagus



Larynx

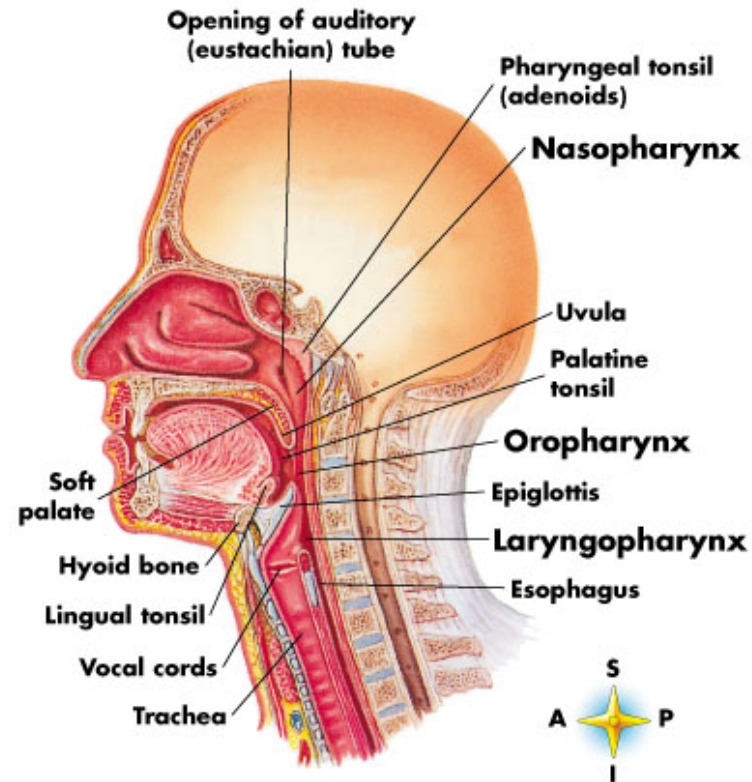


Trachea



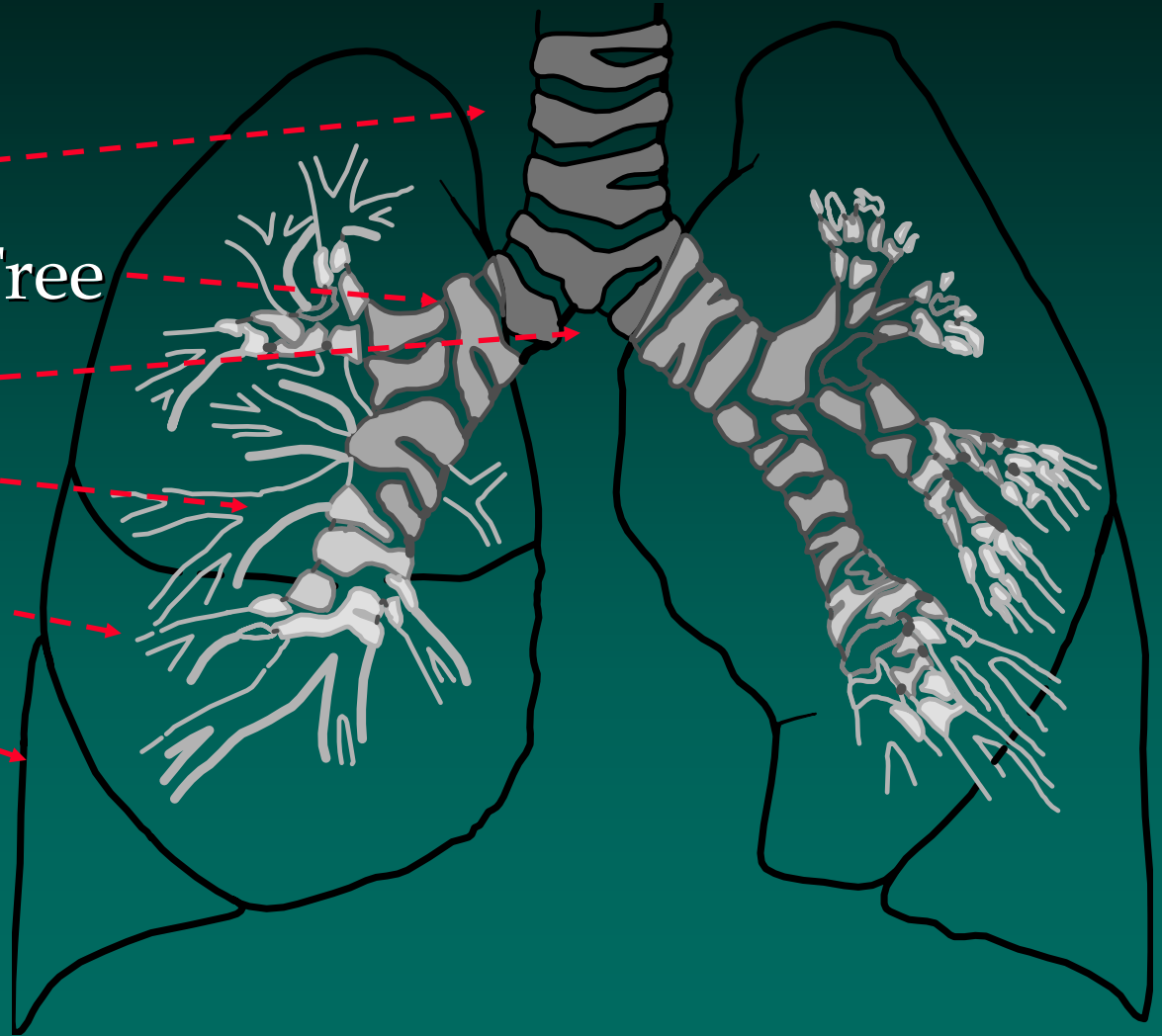
Upper Airway Structures

- ❖ Turbinates
- ❖ Soft palate
- ❖ Epiglottis
- ❖ Vocal cords
- ❖ Esophagus
- ❖ Trachea
- ❖ Sinuses



Lower Airway Structures

- ❖ Trachea
- ❖ Bronchial Tree
- ❖ Carina
- ❖ Bronchiols
- ❖ Alveoli
- ❖ Lungs

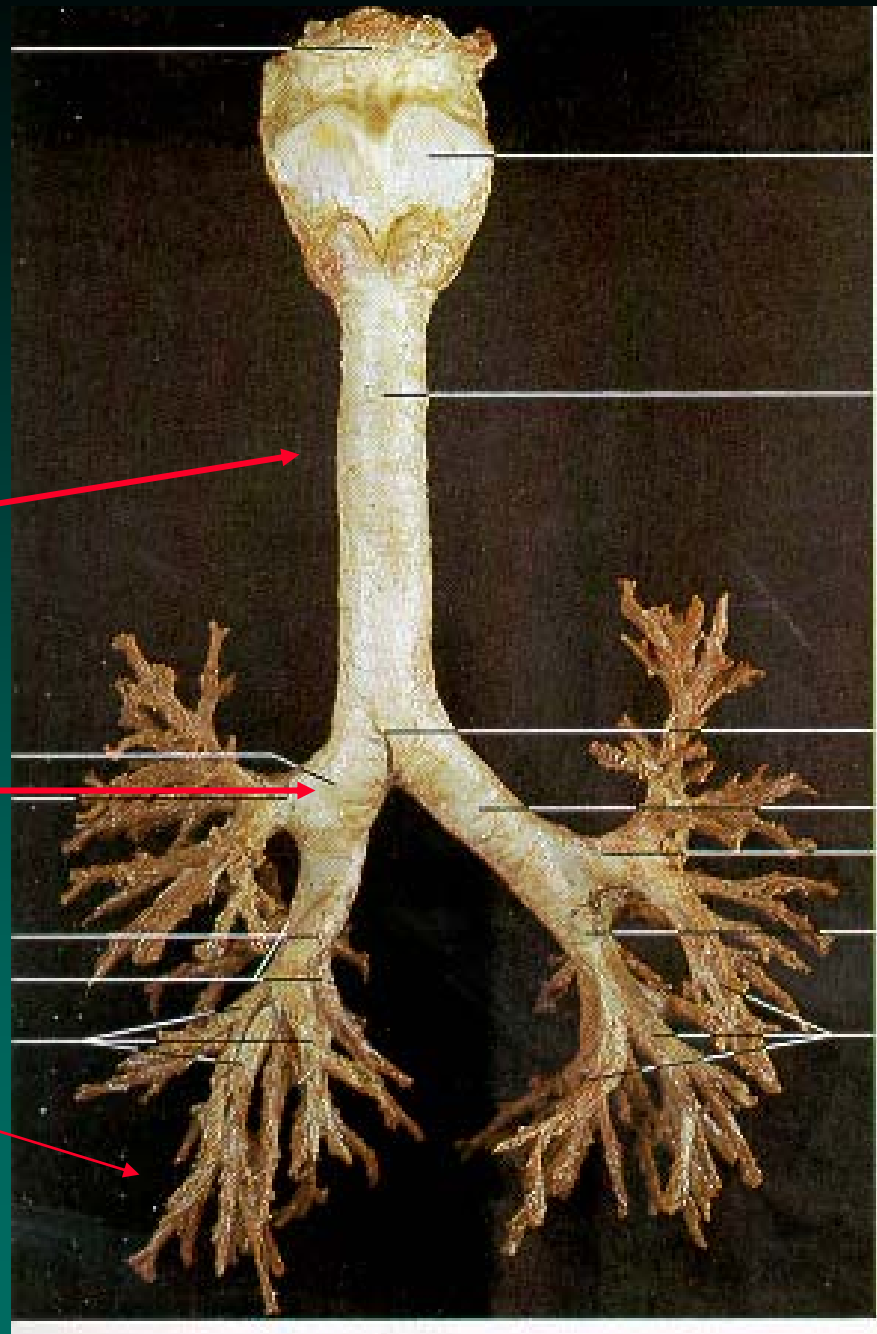


Bronchial Tree

Trachea

Bronchus

Bronchioles

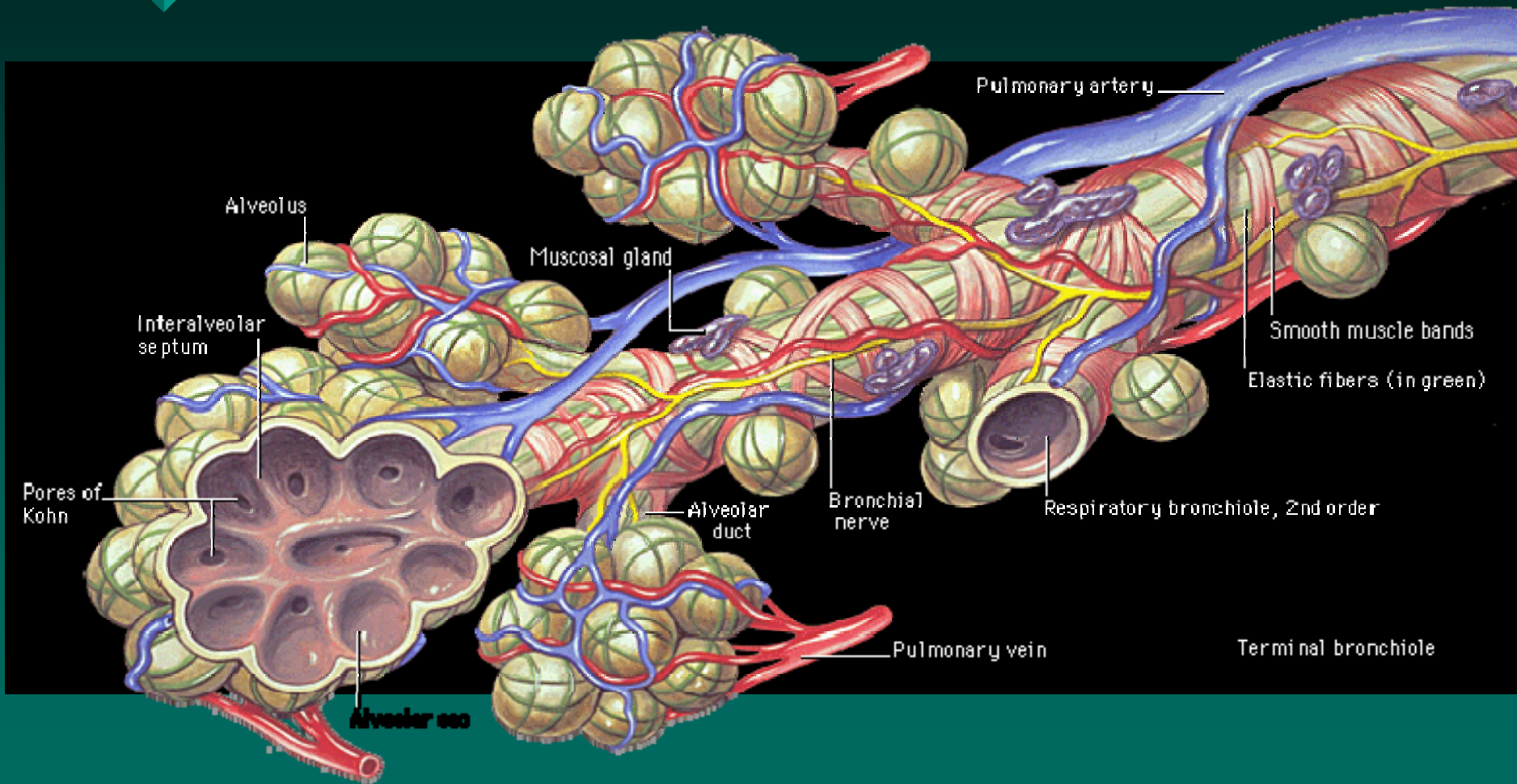




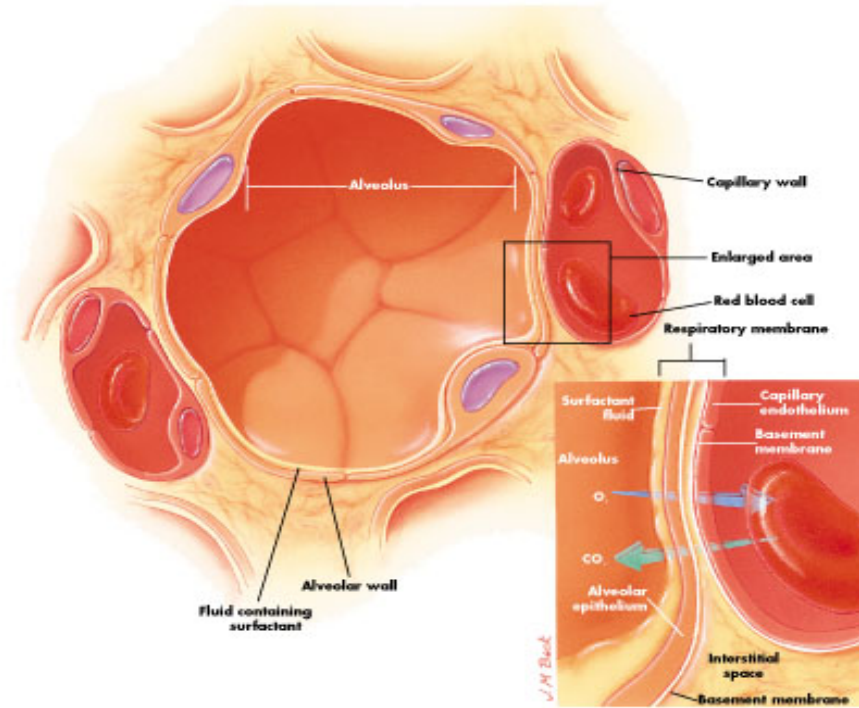
Alveoli

- ❖ Functional units of the Respiratory System
- ❖ 300 million in the two lungs
- ❖ Consists of a single layer of epithelial cells and elastic fibers, surrounded by a fine network of capillaries.
- ❖ Coated with surfactant
- ❖ Pores within membrane allow air exchange

Alveoli

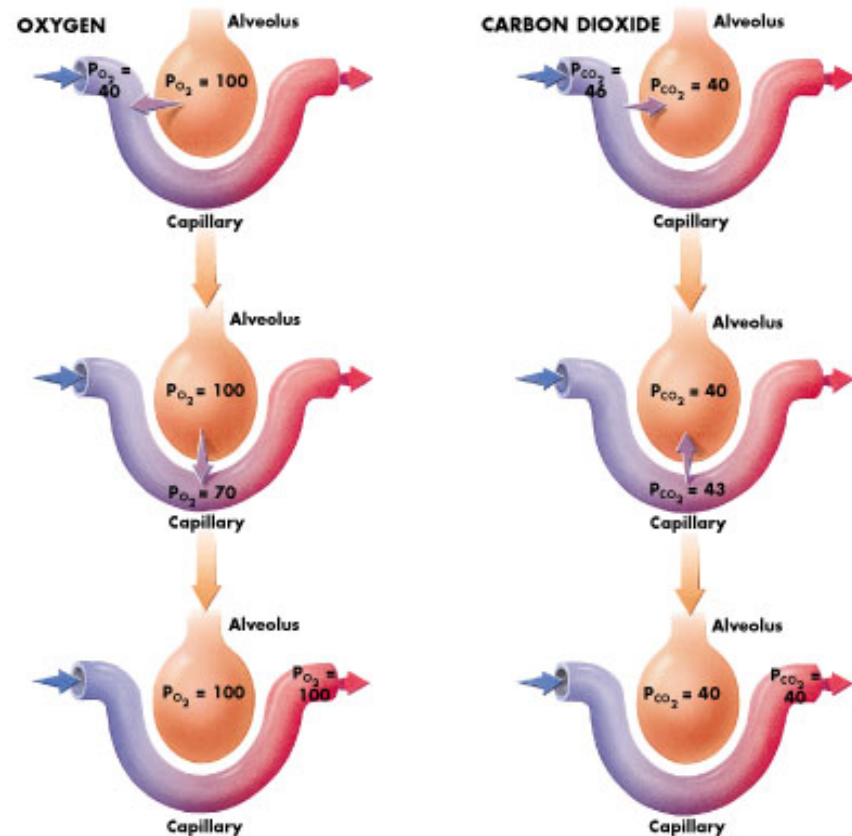


Alveolar Air Exchange

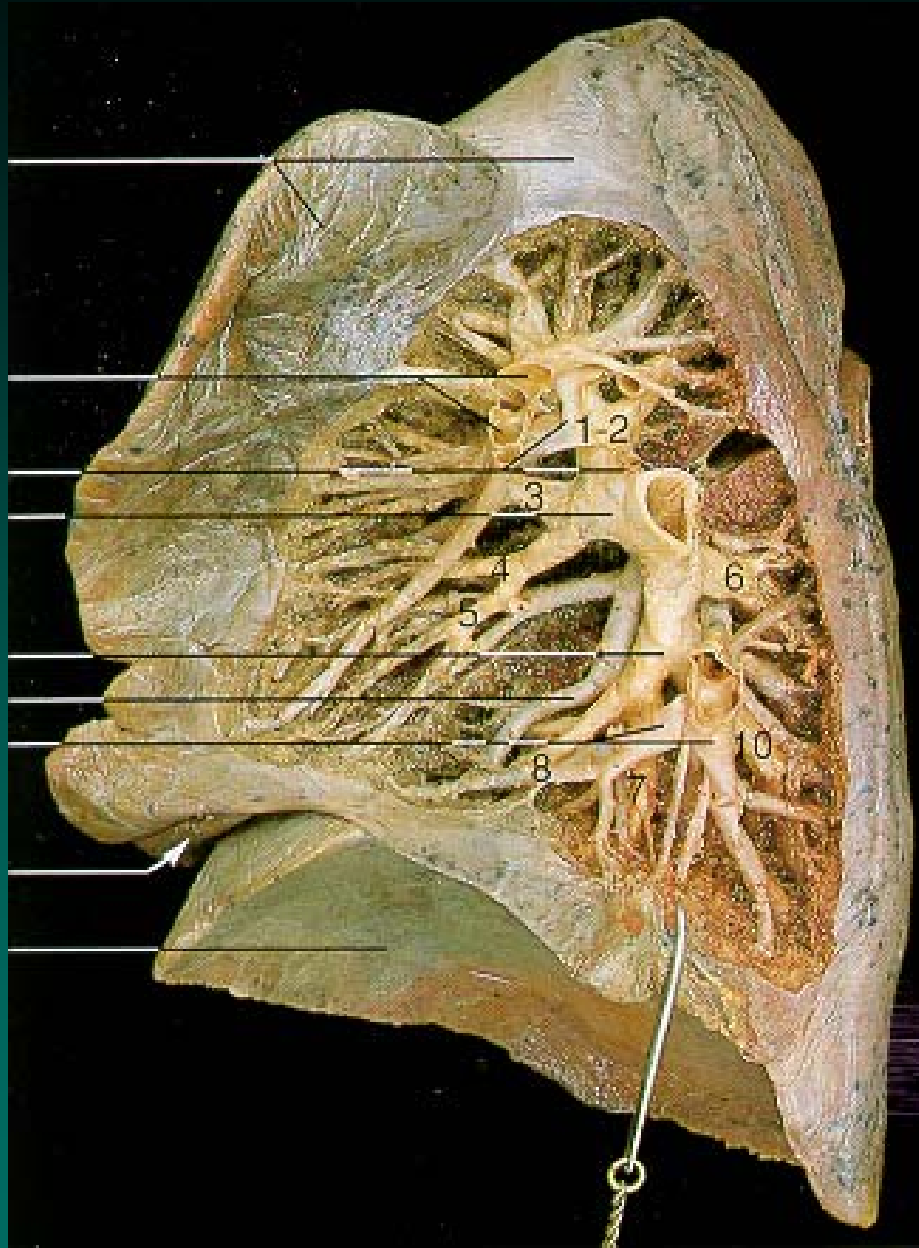


Gas Exchange

Space between Alveoli and capillaries Is critical for proper Air exchange



Lungs



Thorax X-Section

1st Rib

Lung Tissue

Mediastinum

Diaphragm

Abdominal
Cavity

