A photograph of a dirt road through a forest during autumn. The trees are heavily laden with orange, yellow, and red leaves. Utility poles line both sides of the road, with wires crossing above. The ground is covered with fallen leaves.

In the name of God

The Respiratory System

Airways: Nasal cavities

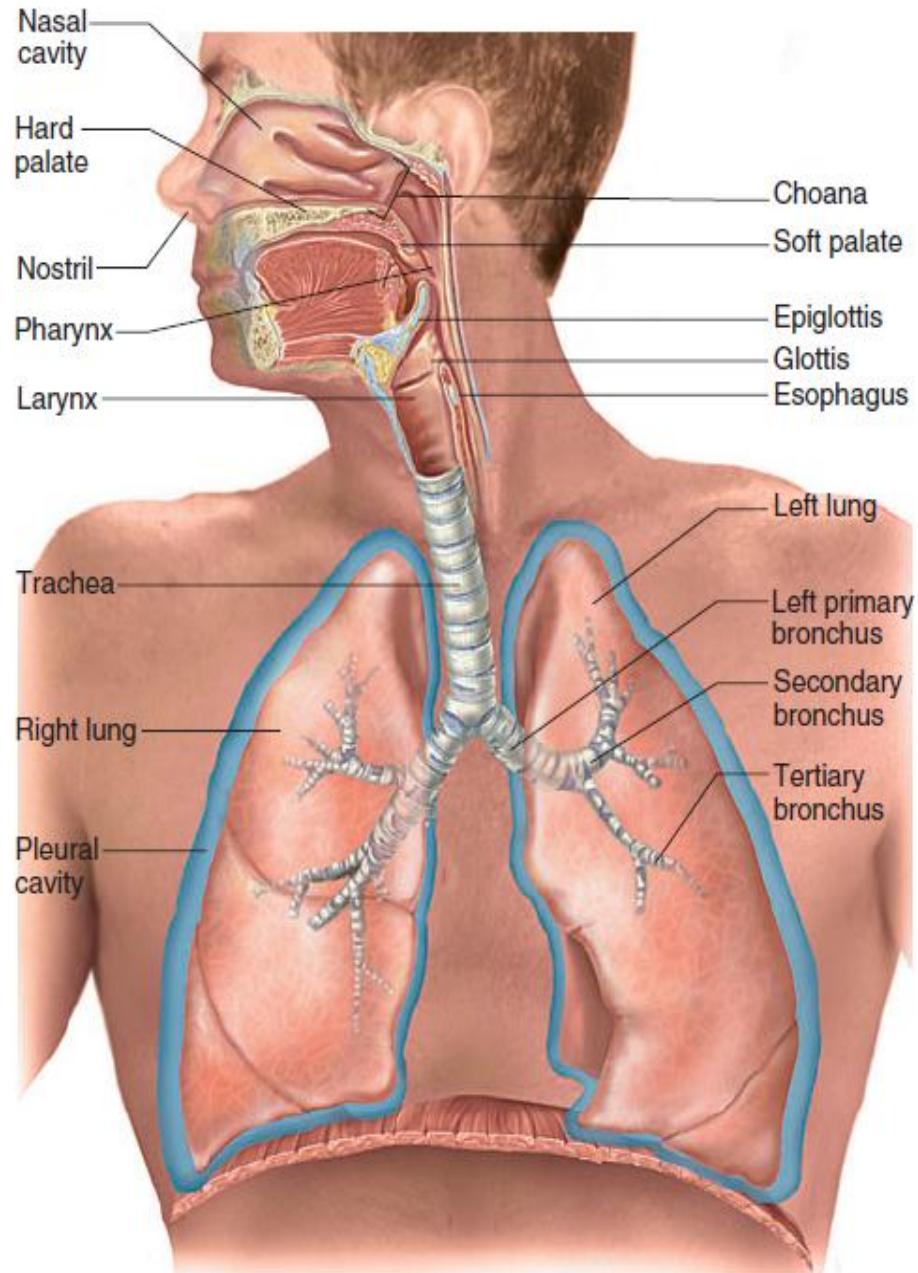
Pharynx

Larynx

Trachea

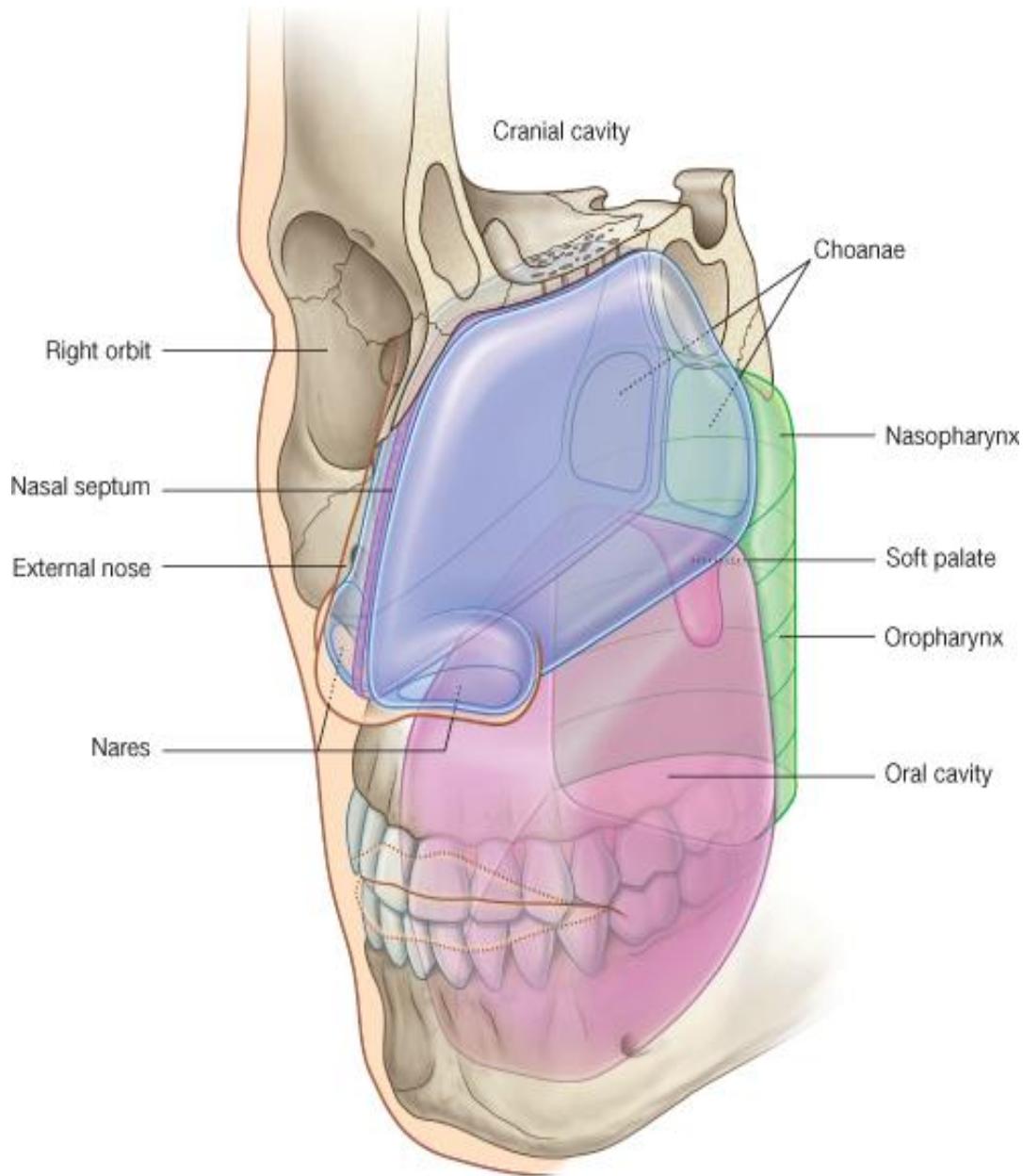
Bronchus

Lungs

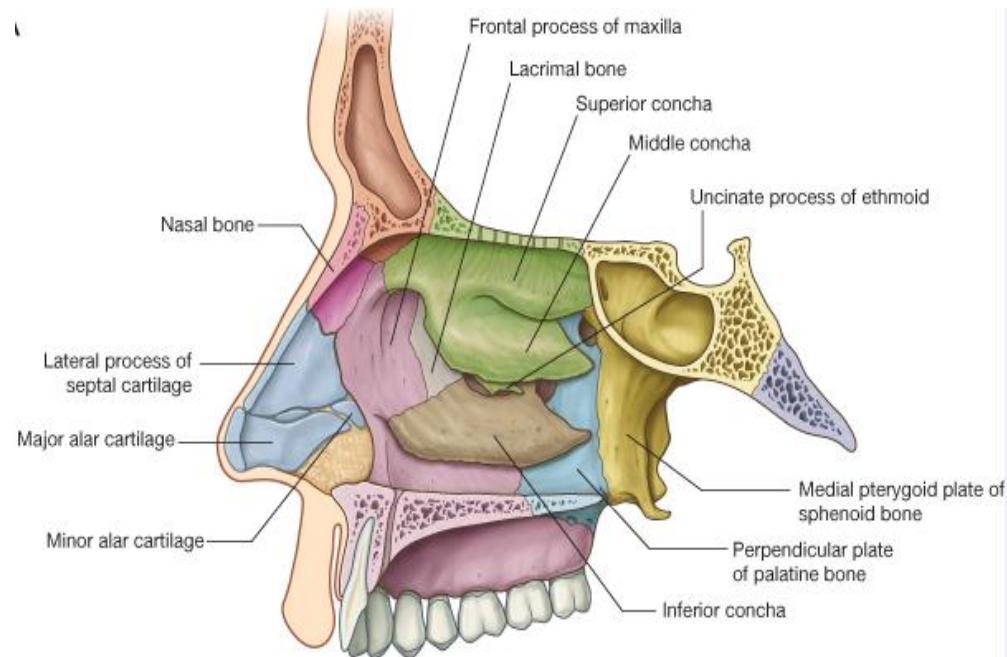


Nasal cavities

- **Roof**
- **Floor**
- **Lateral wall**
- **Medial wall (septum)**
- **Nares**
- **Choanae**



✓ **Roof**

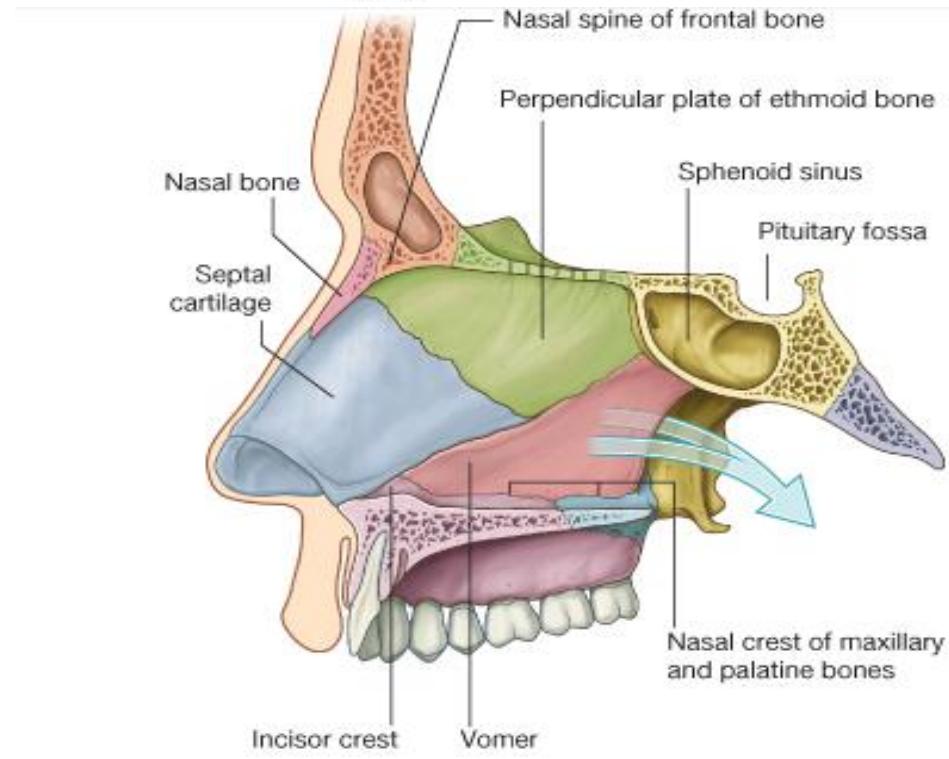


✓ **Lateral wall**

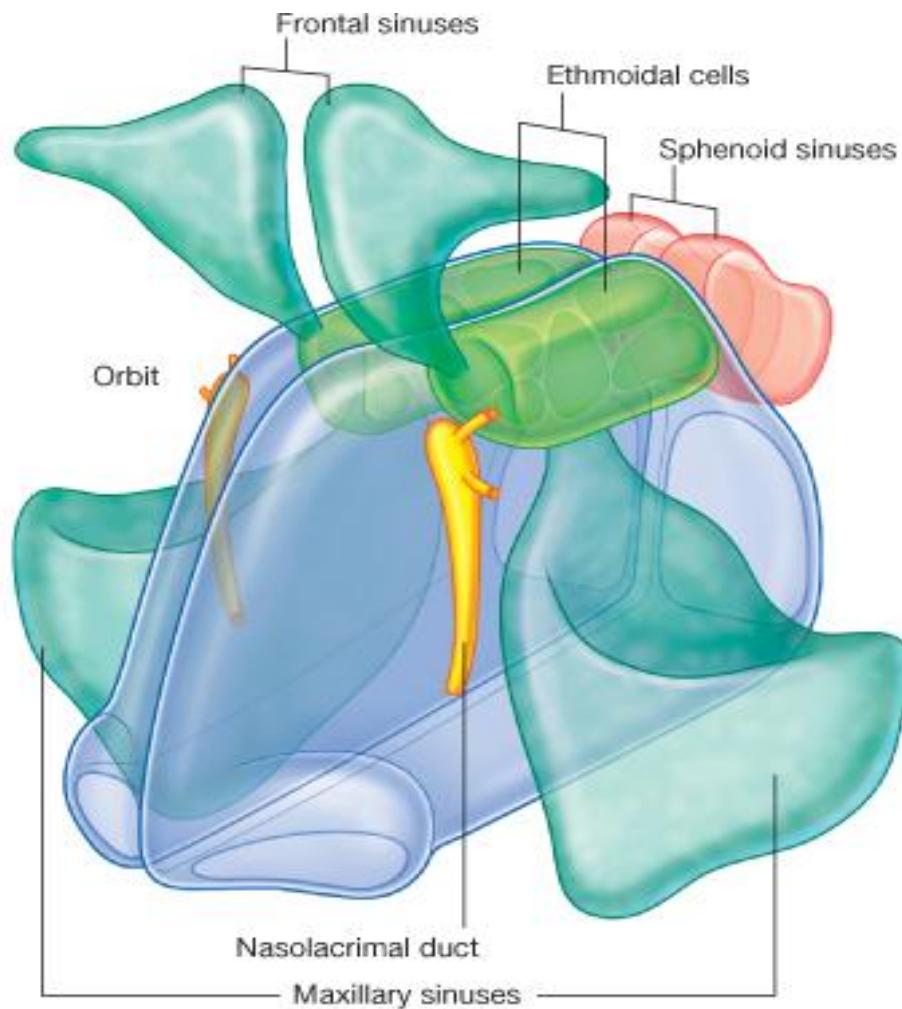
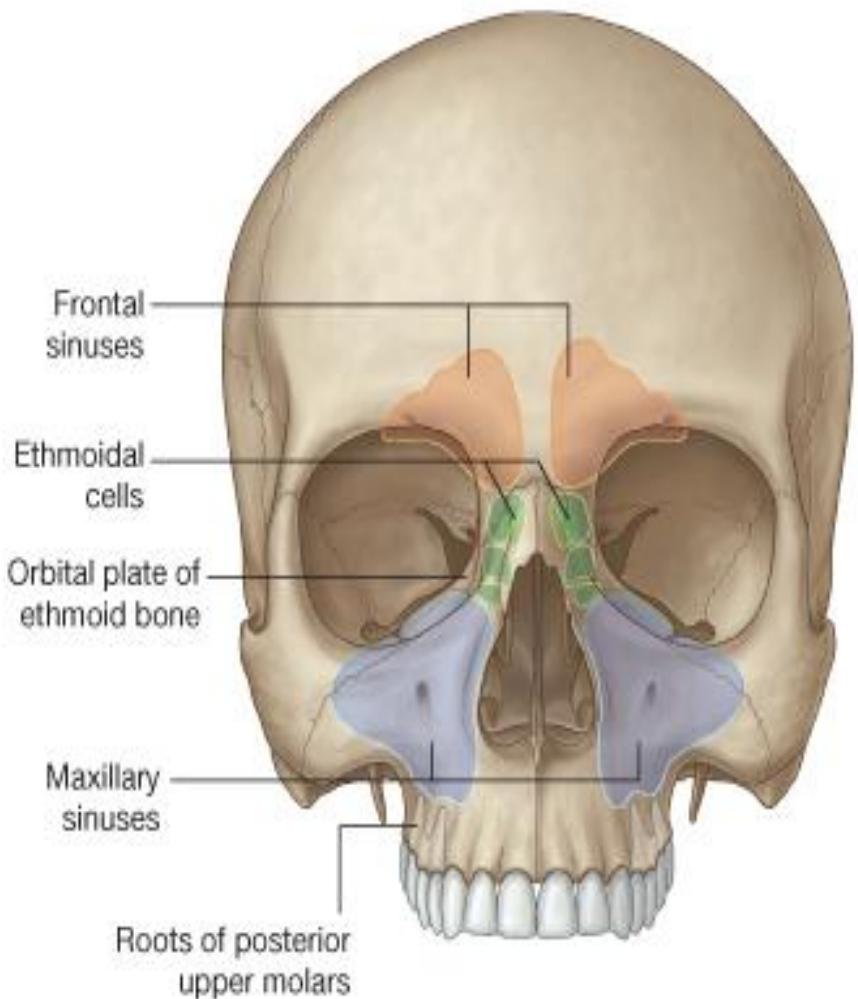
✓ **Medial wall (septum)**

✓ **Nares**

✓ **Choanae**



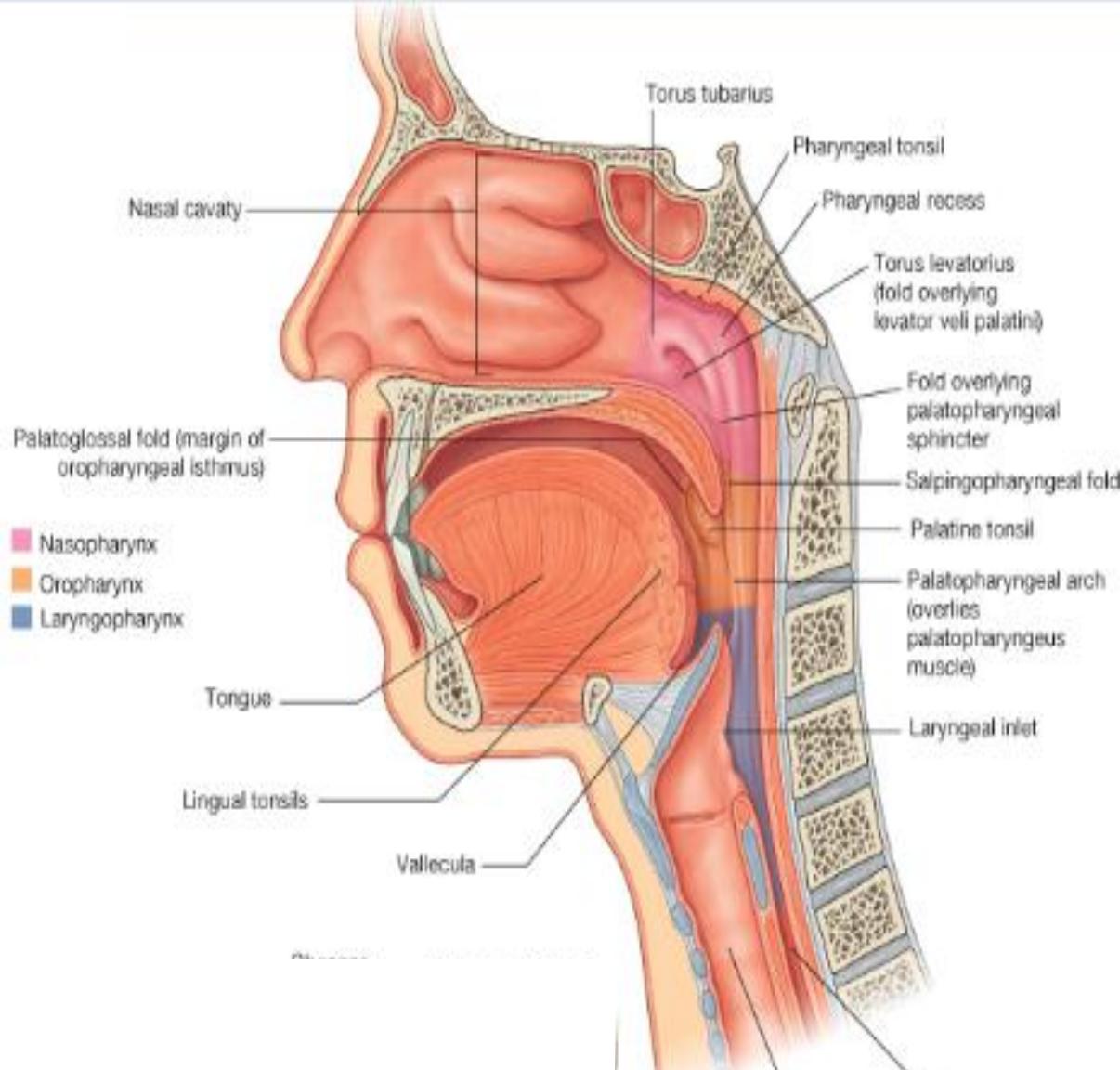
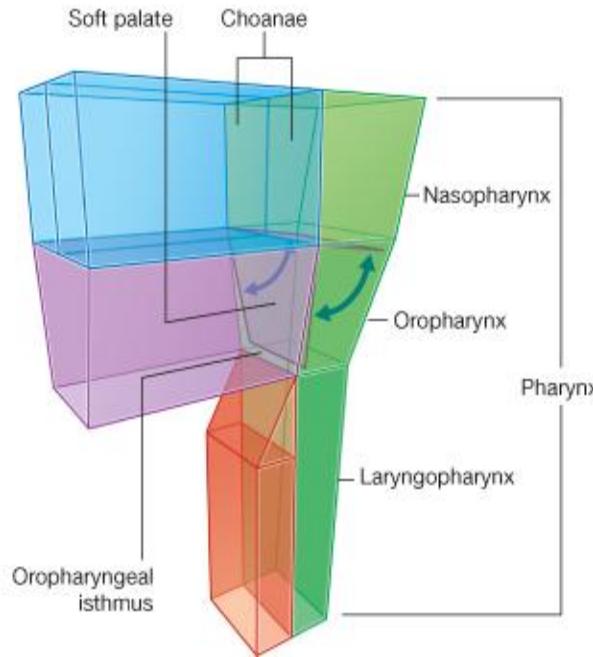
Sinuses



Pharynx

- ✓ Nasopharynx
- ✓ Oropharynx
- ✓ Laryngopharynx

- Pharyngeal tonsil
- Palatine tonsil



Larynx

Cartilages

Epiglottis (1)

Joints

Thyroid (1)

Ligaments

Cricoid (1)

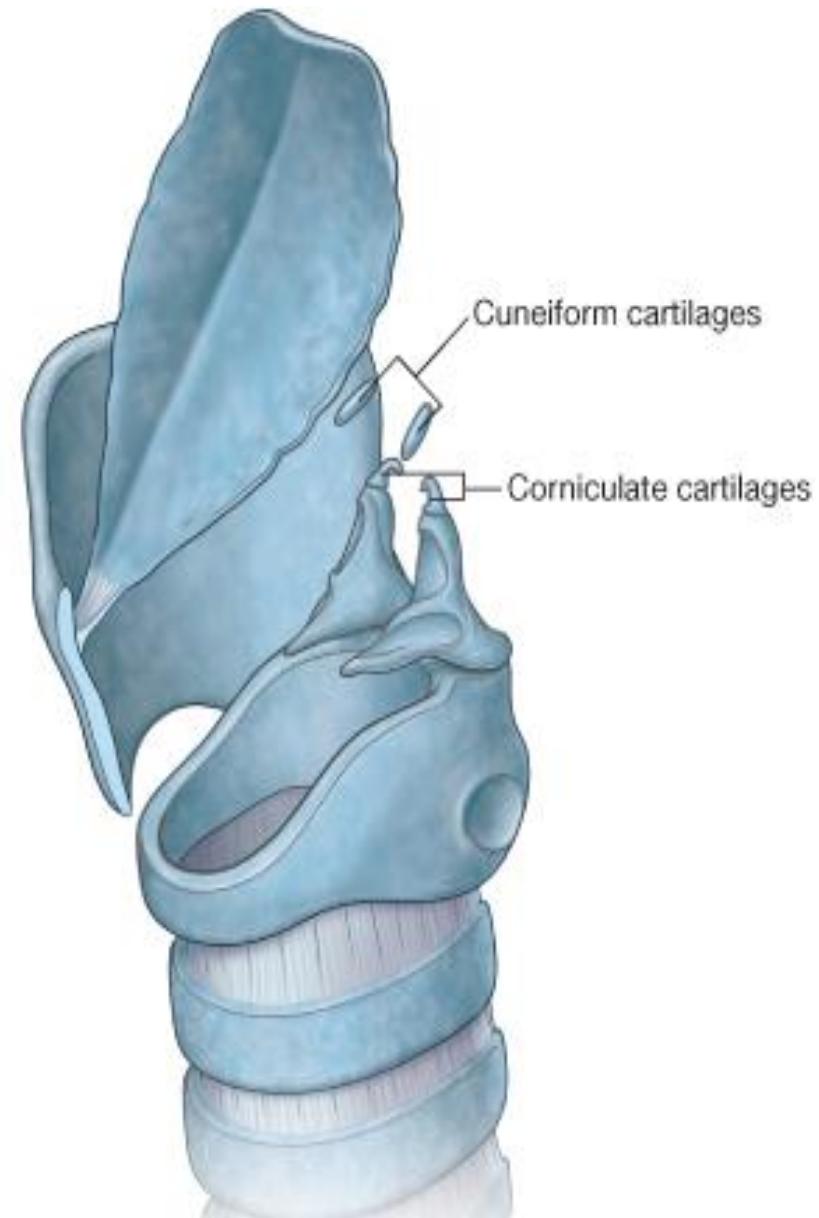
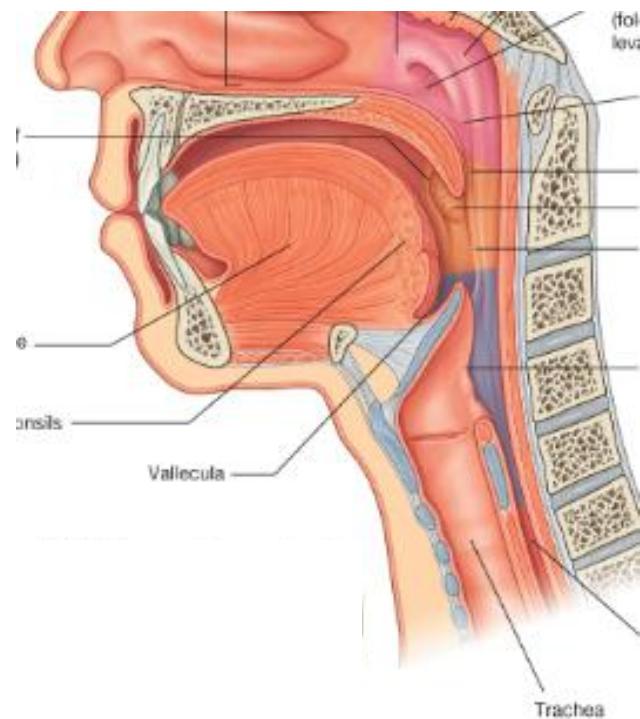
Muscles

Arytenoid (2)

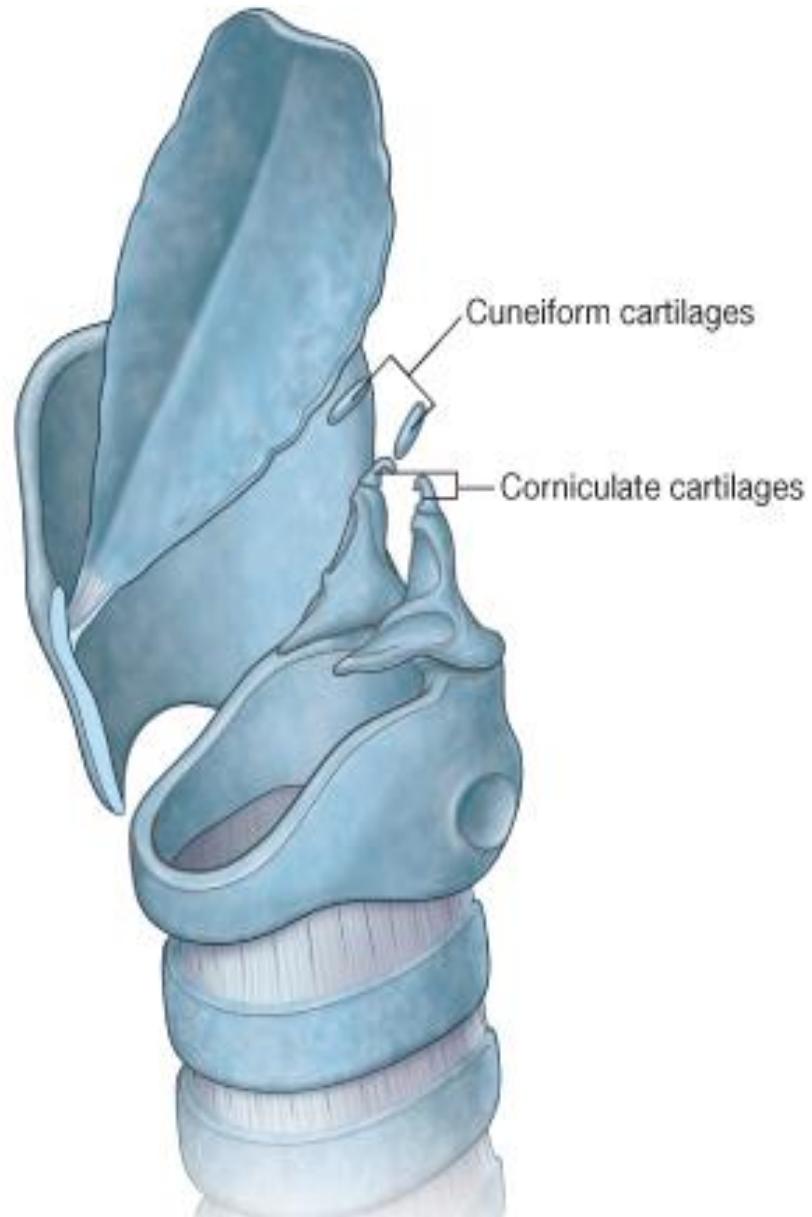
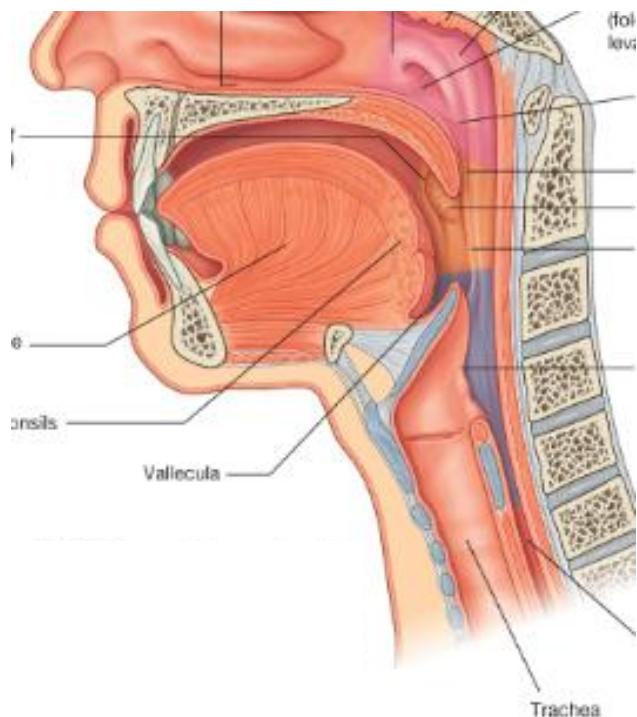
Mucosa

Corniculate (2)

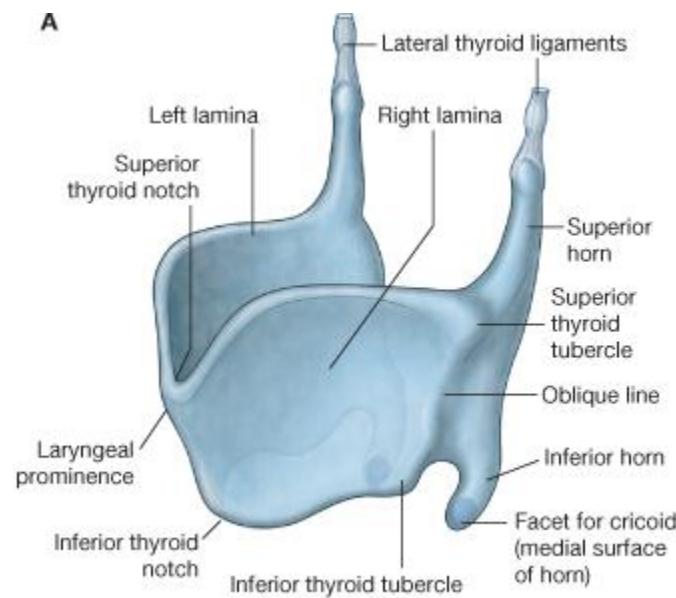
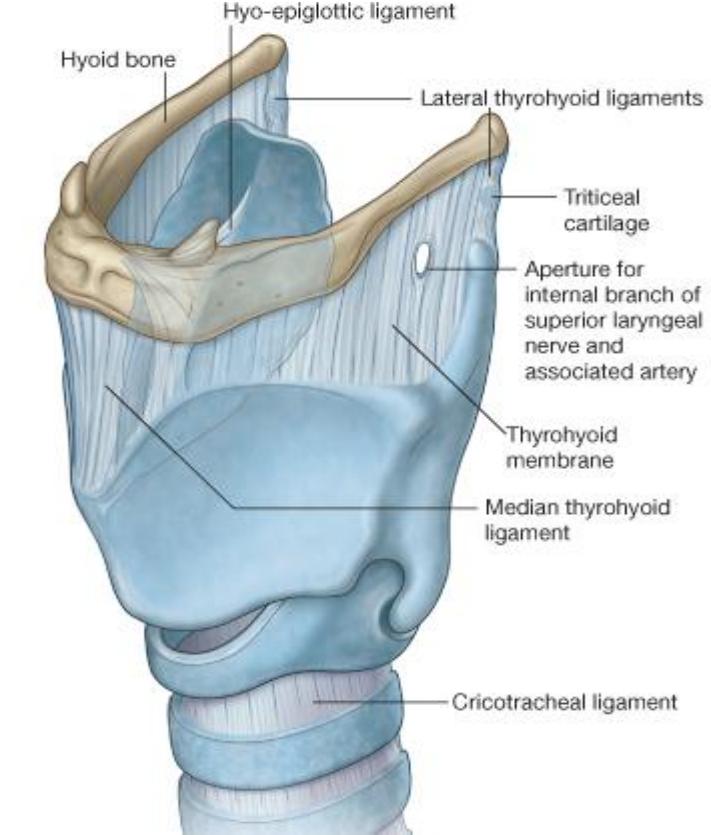
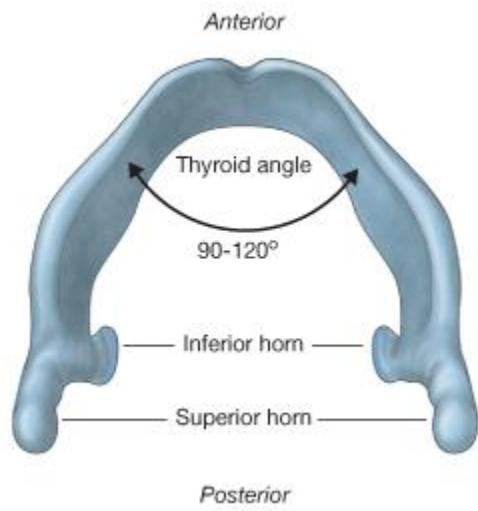
Cuneiform (2)



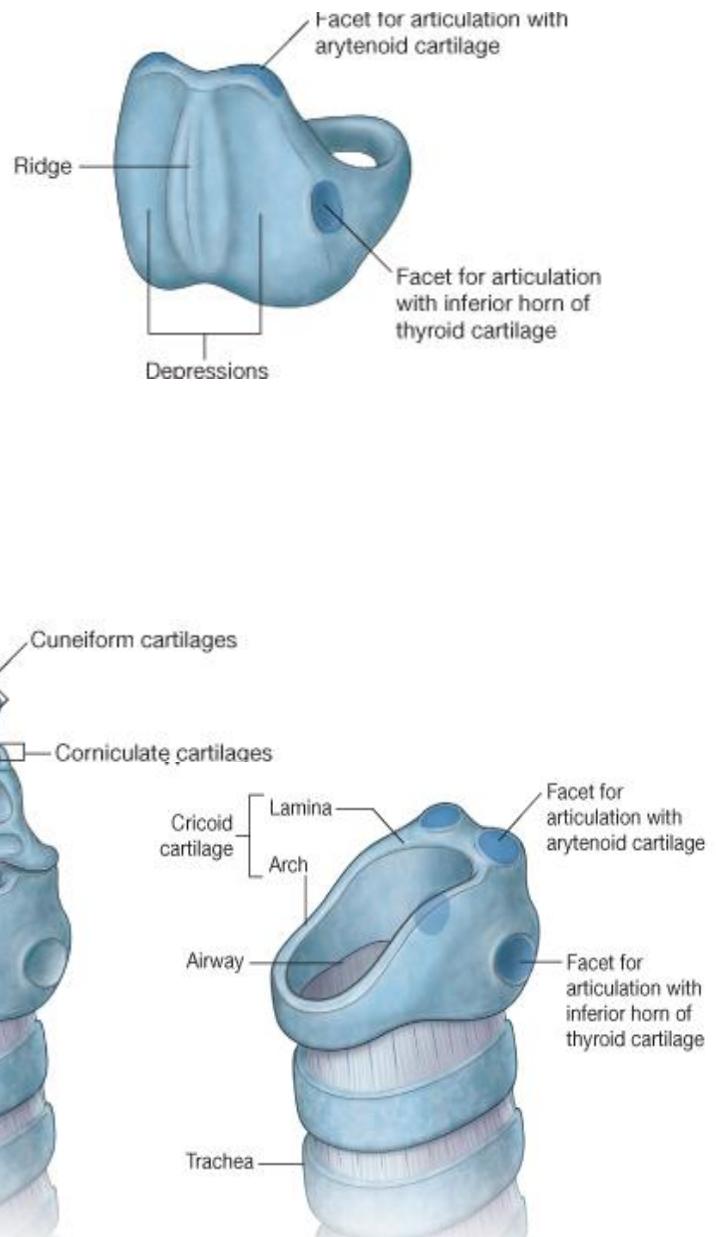
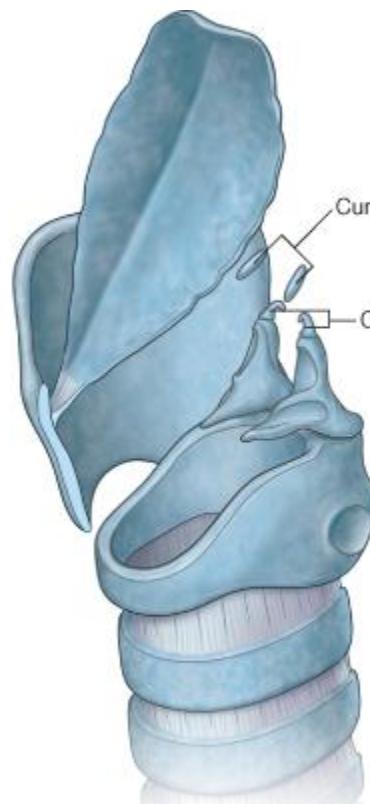
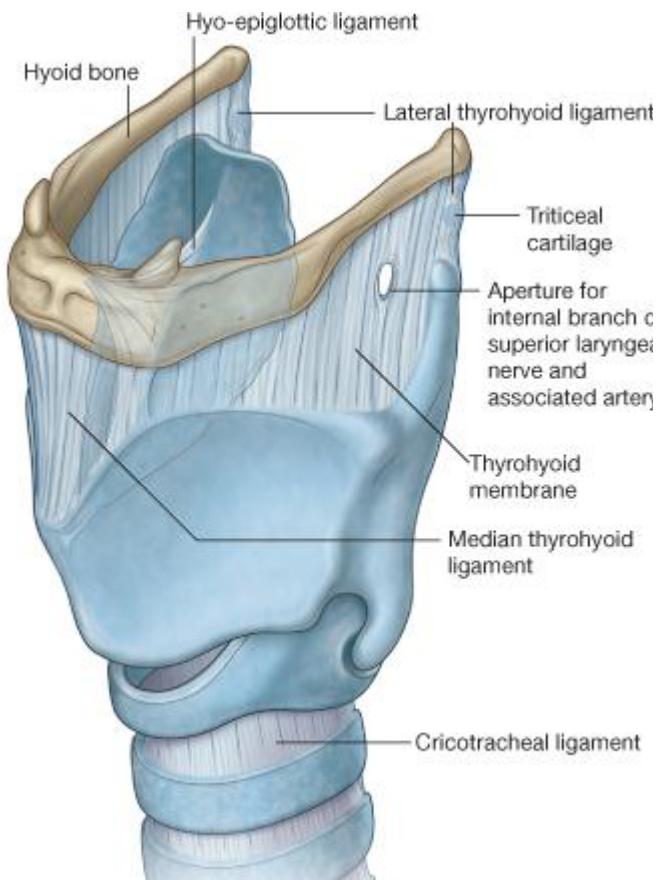
Epiglottic Cartilage



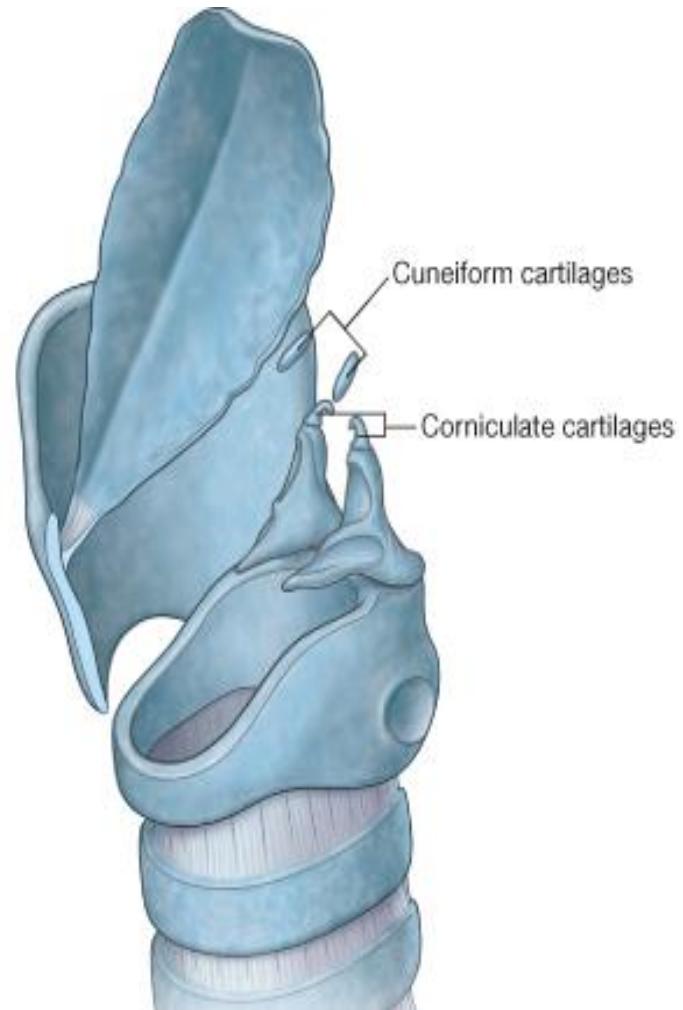
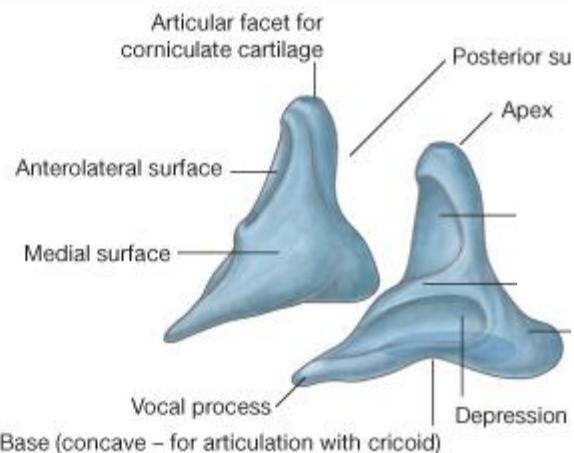
Thyroid Cartilage



Cricoid Cartilage

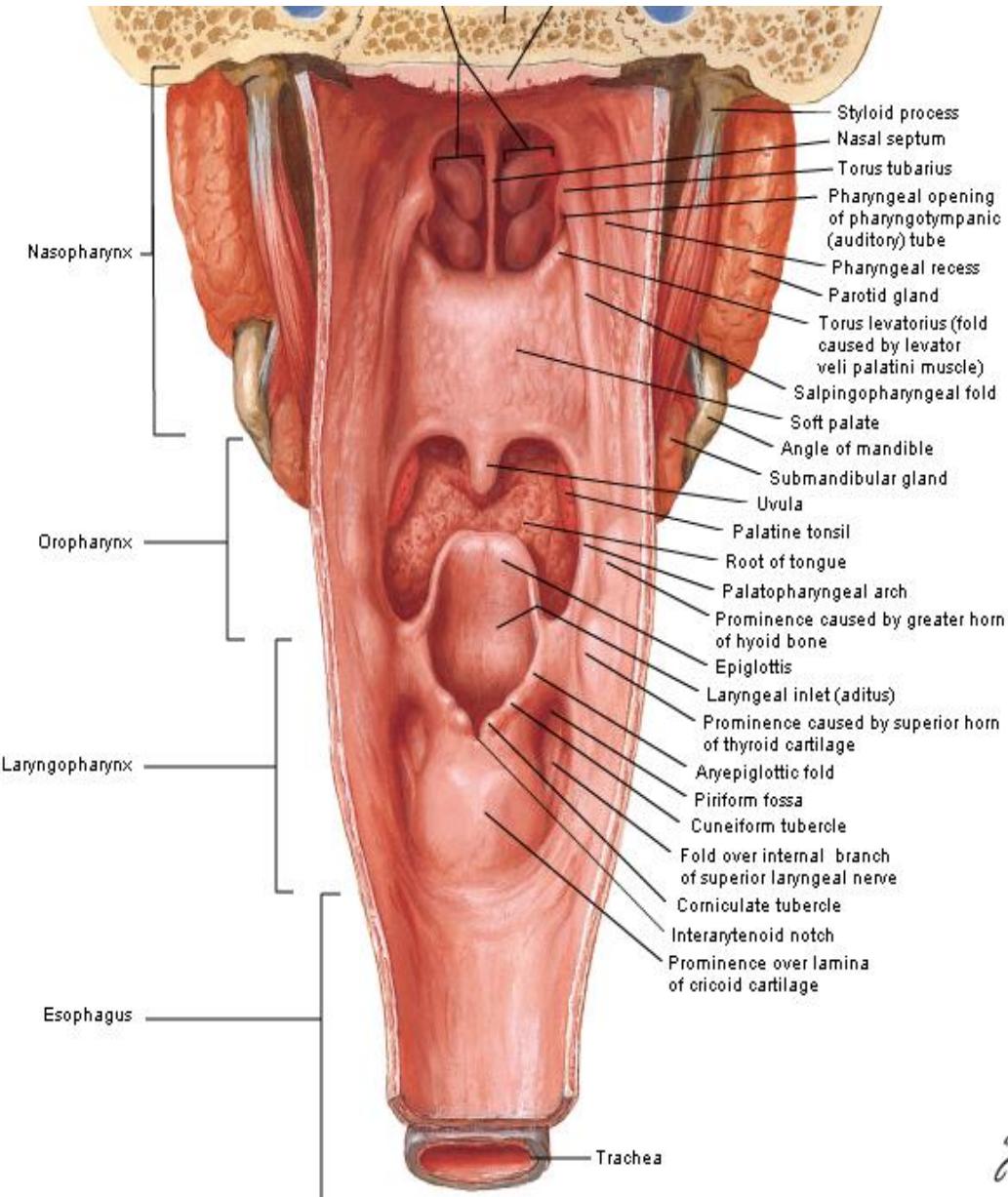
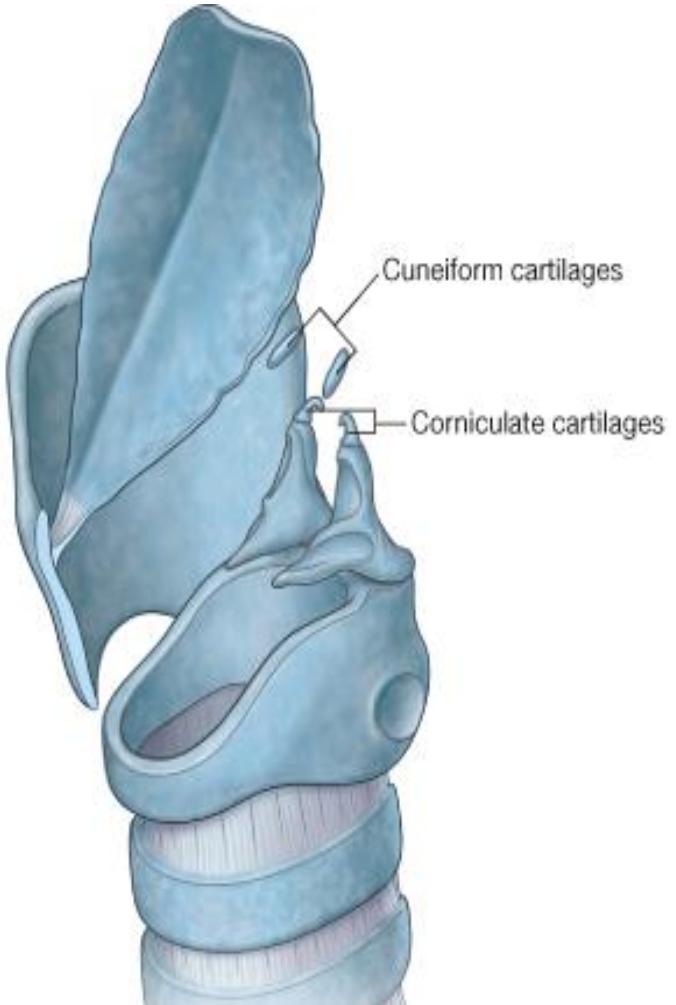


Arytenoid Cartilages



Corniculate Cartilages

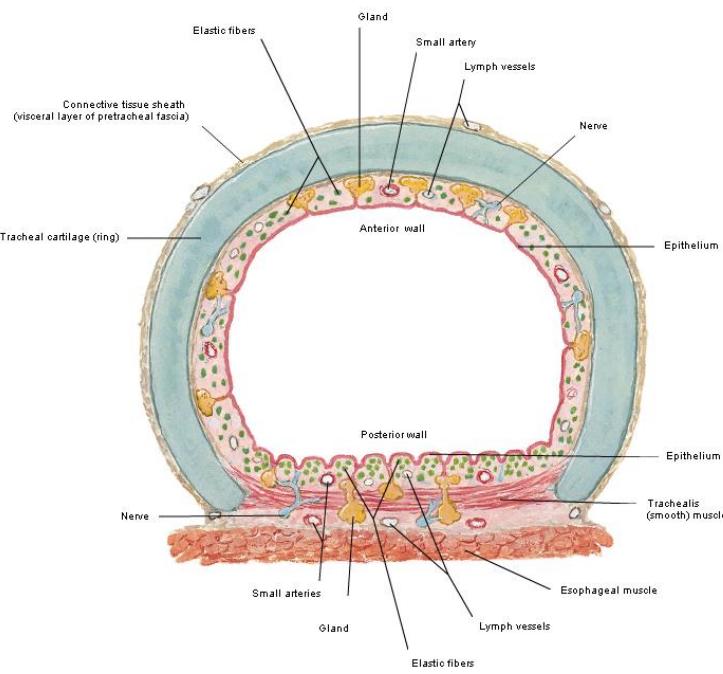
Cuneiform Cartilages



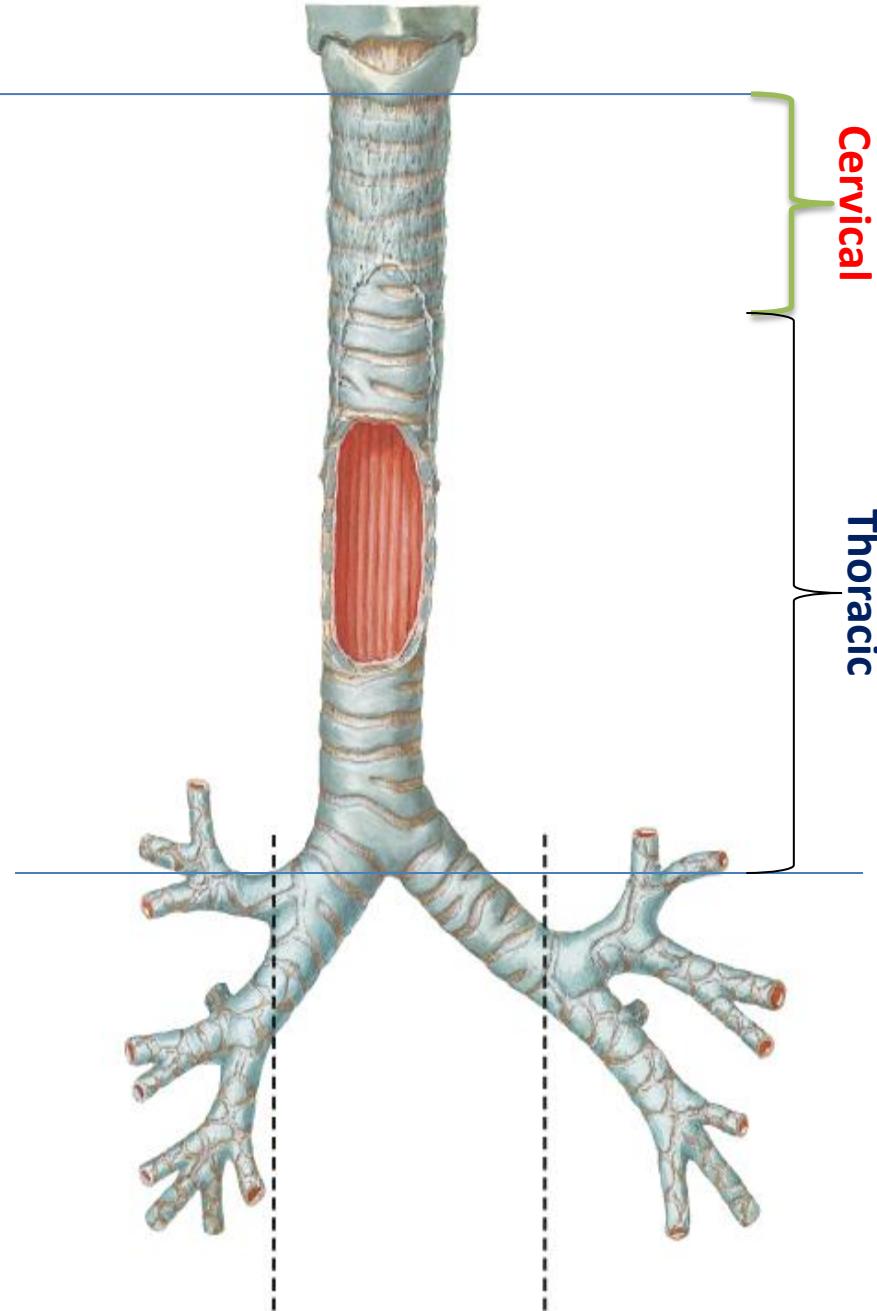
Trachea

6th cervical vertebra

✓ Length: 10–11 cm



5th thoracic vertebra

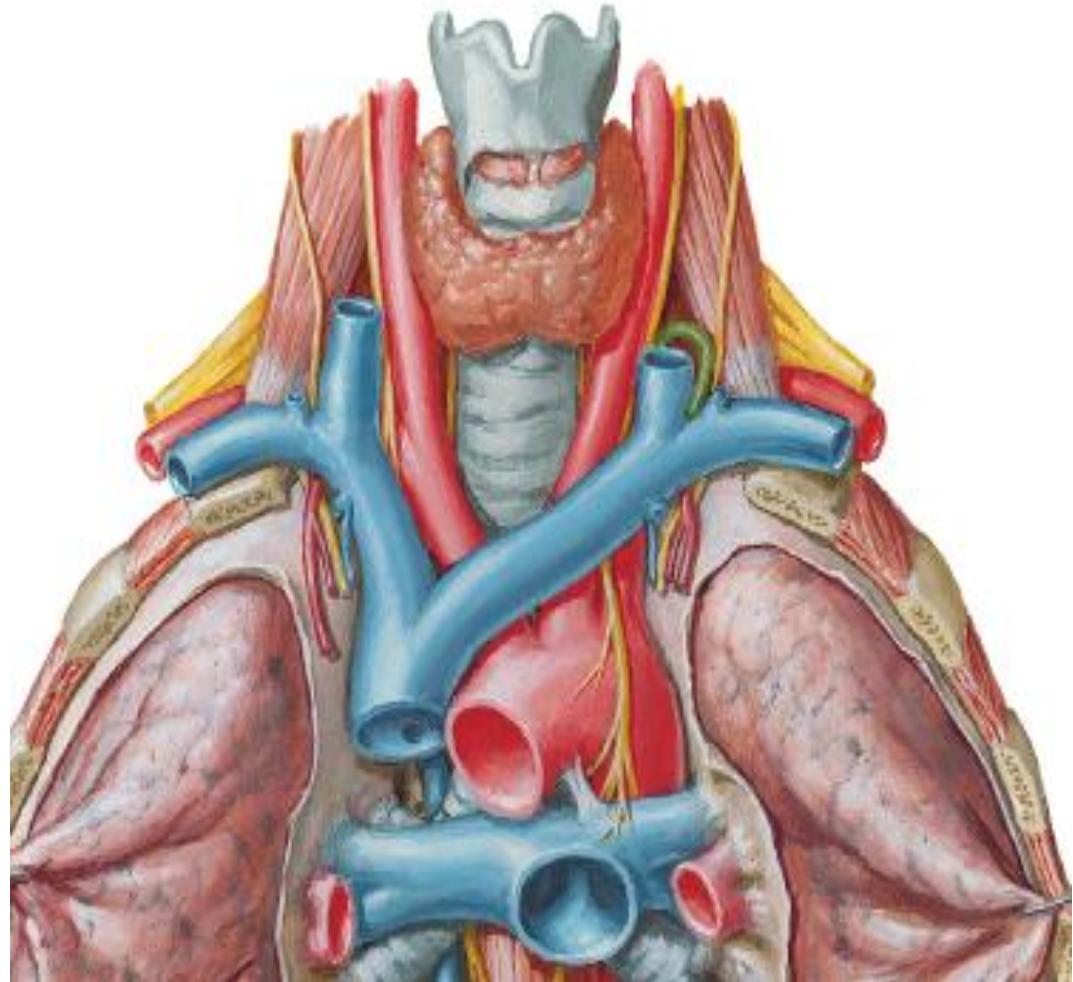


Cervical

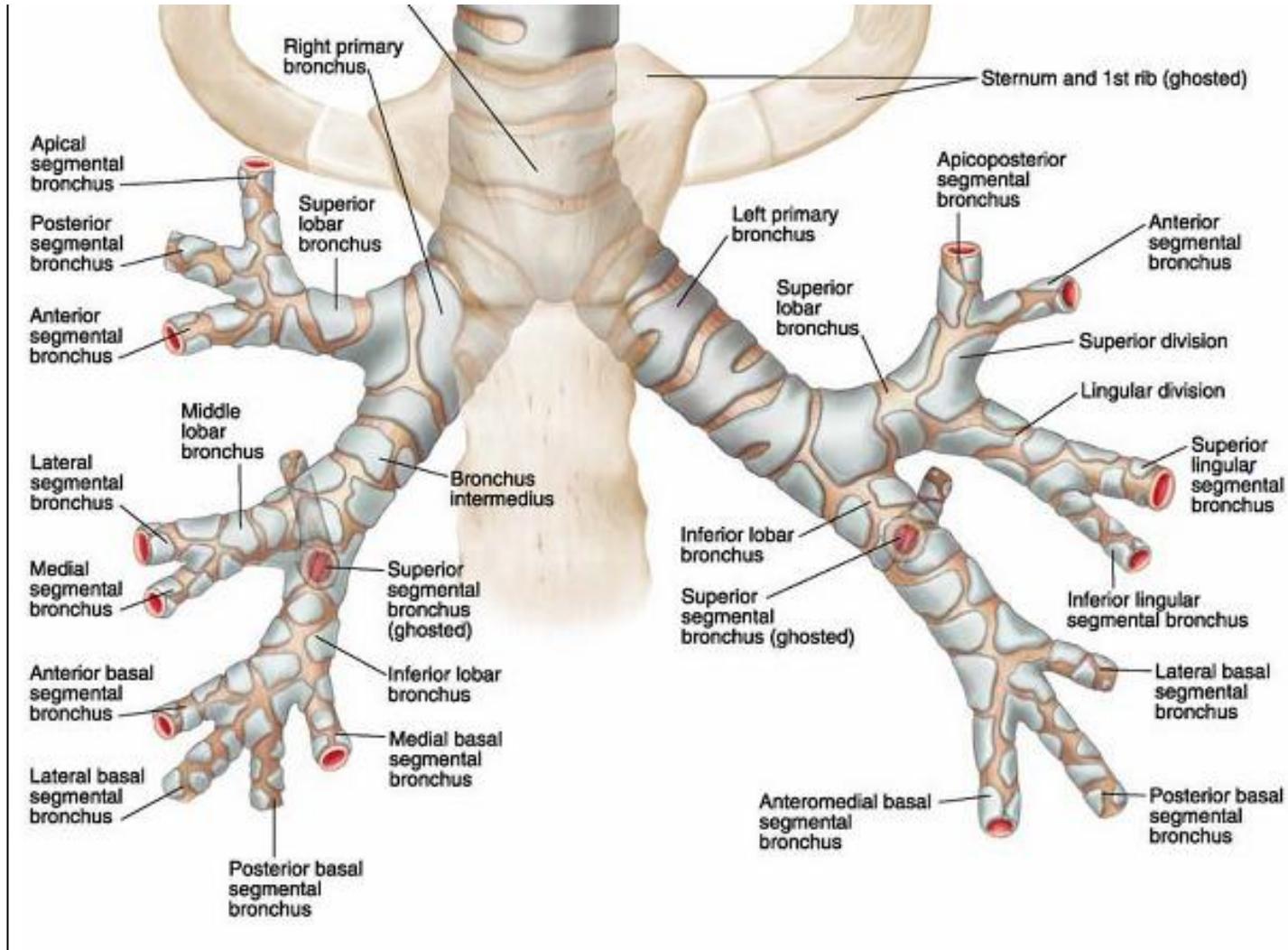
Thoracic

✓ *Relations*

✓ *Tracheostomy*

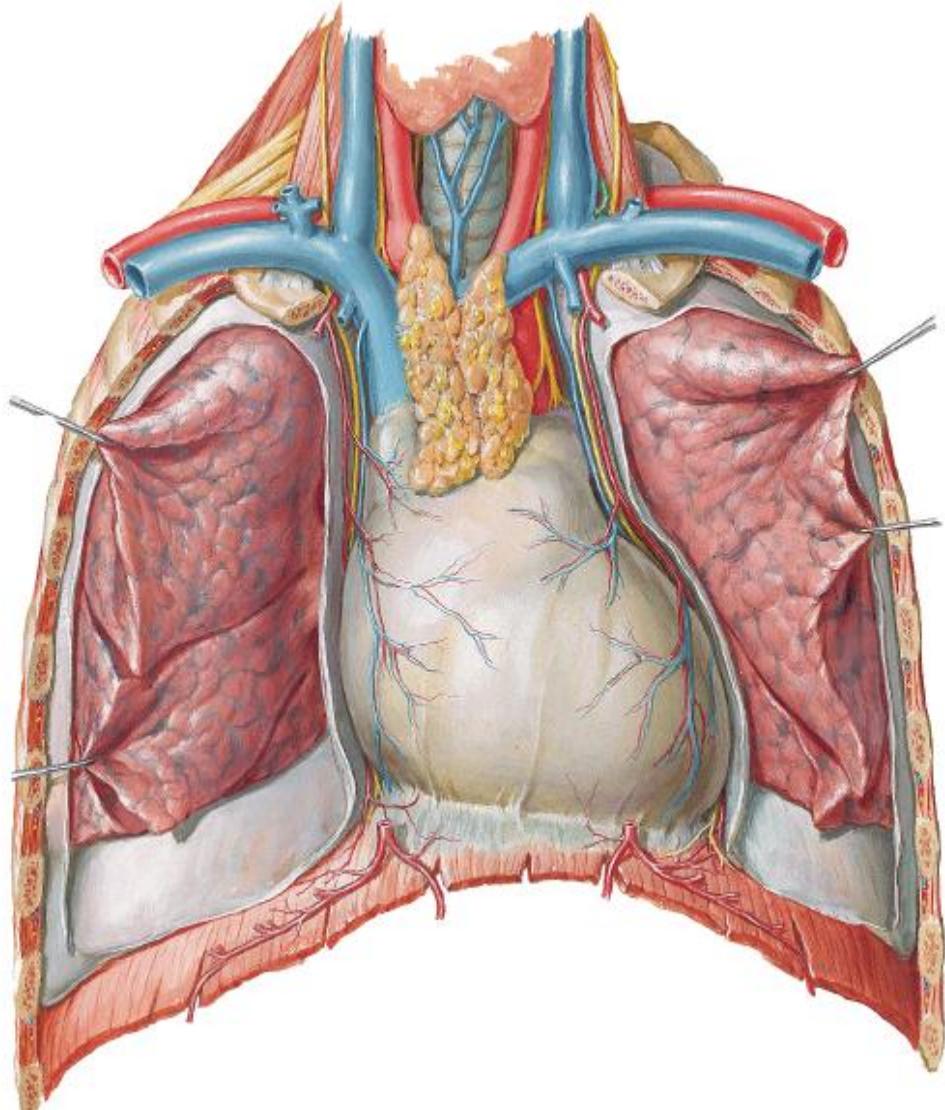


Bronchi

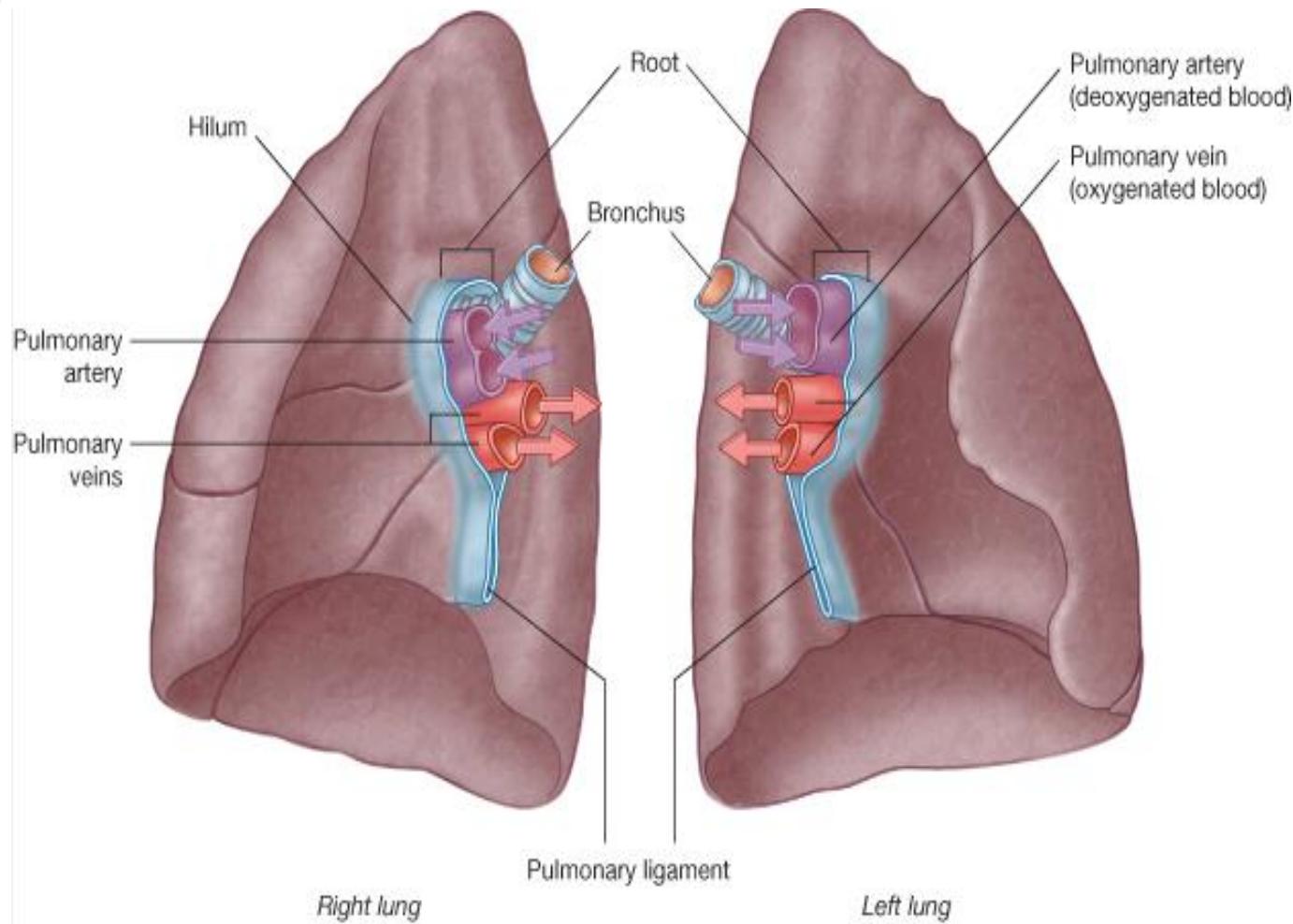


Lungs

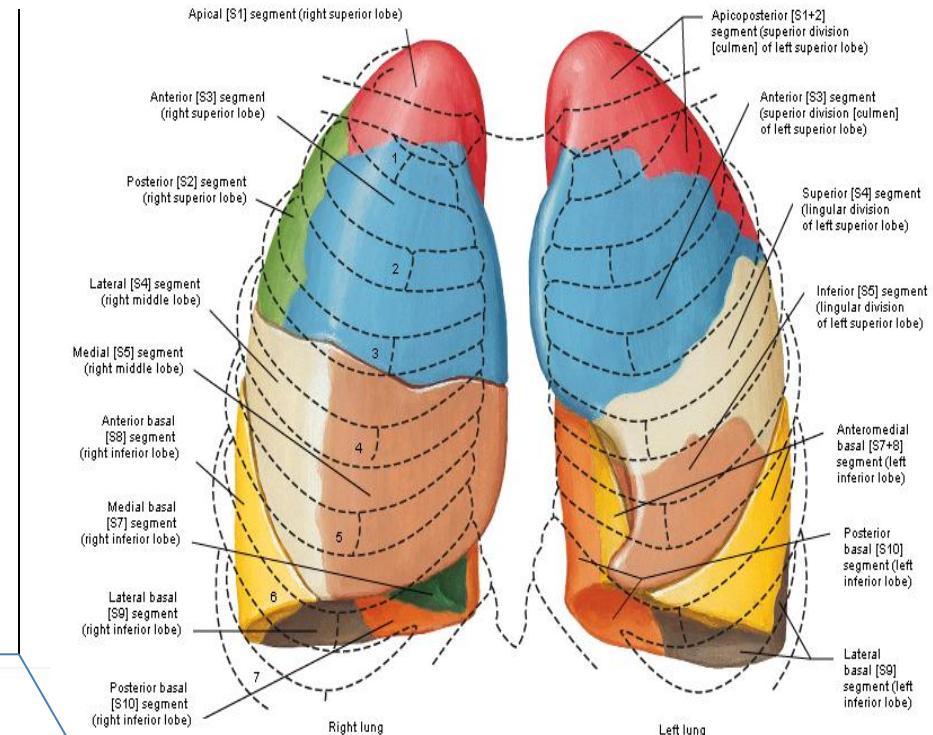
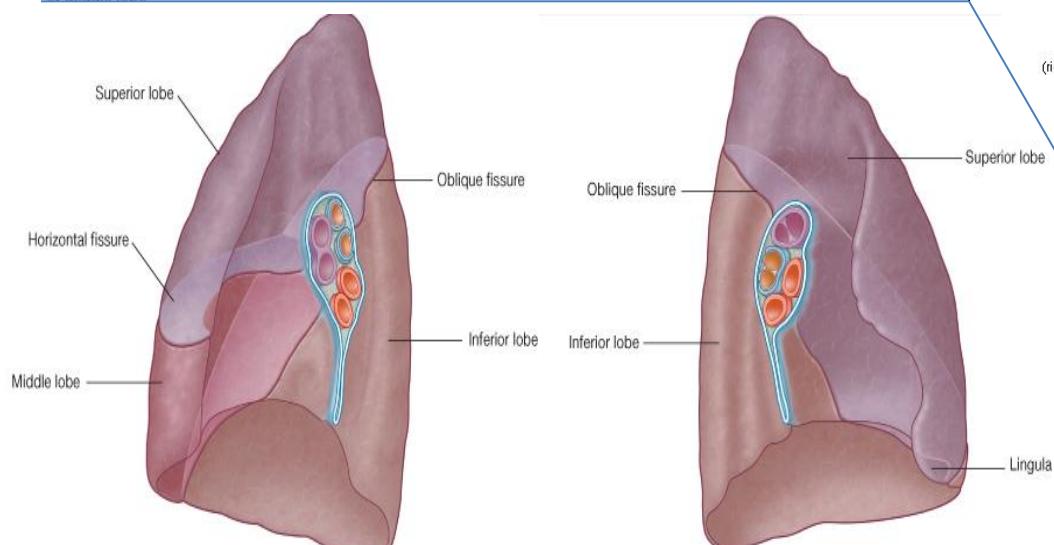
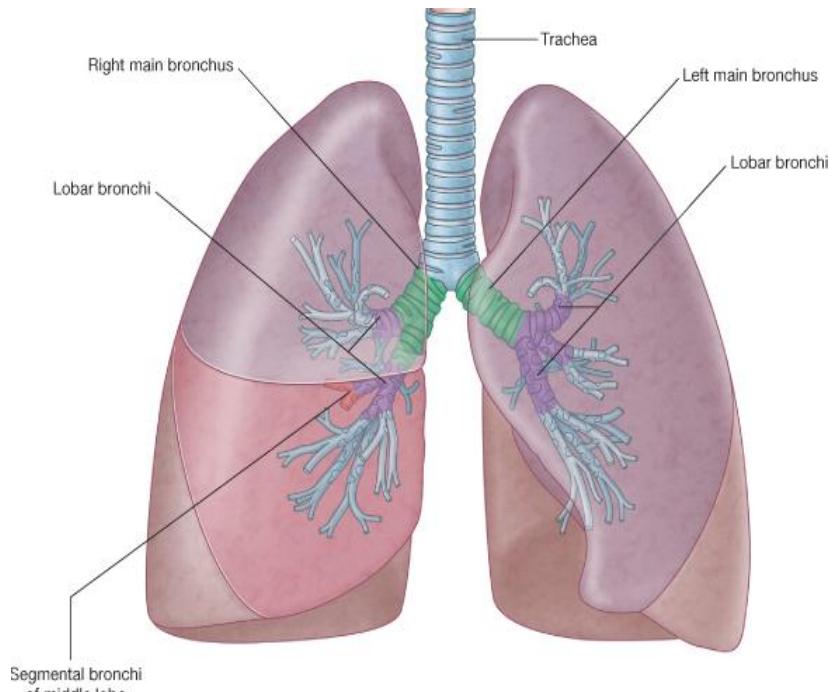
- Essential organs of respiration
- Right lung
- Left lung
- Shape: half a cone
- In pleural sac
- Connected to heart and trachea
- Lobules



- **Apex**
 - **Base**
 - **The lateral (costal) surface**
 - **The medial surface**
 - **Anterior border**
 - **Posterior border**
 - **Inferior border**
 - **hilum**



PULMONARY FISSURES AND LOBES



Pleural membrane

