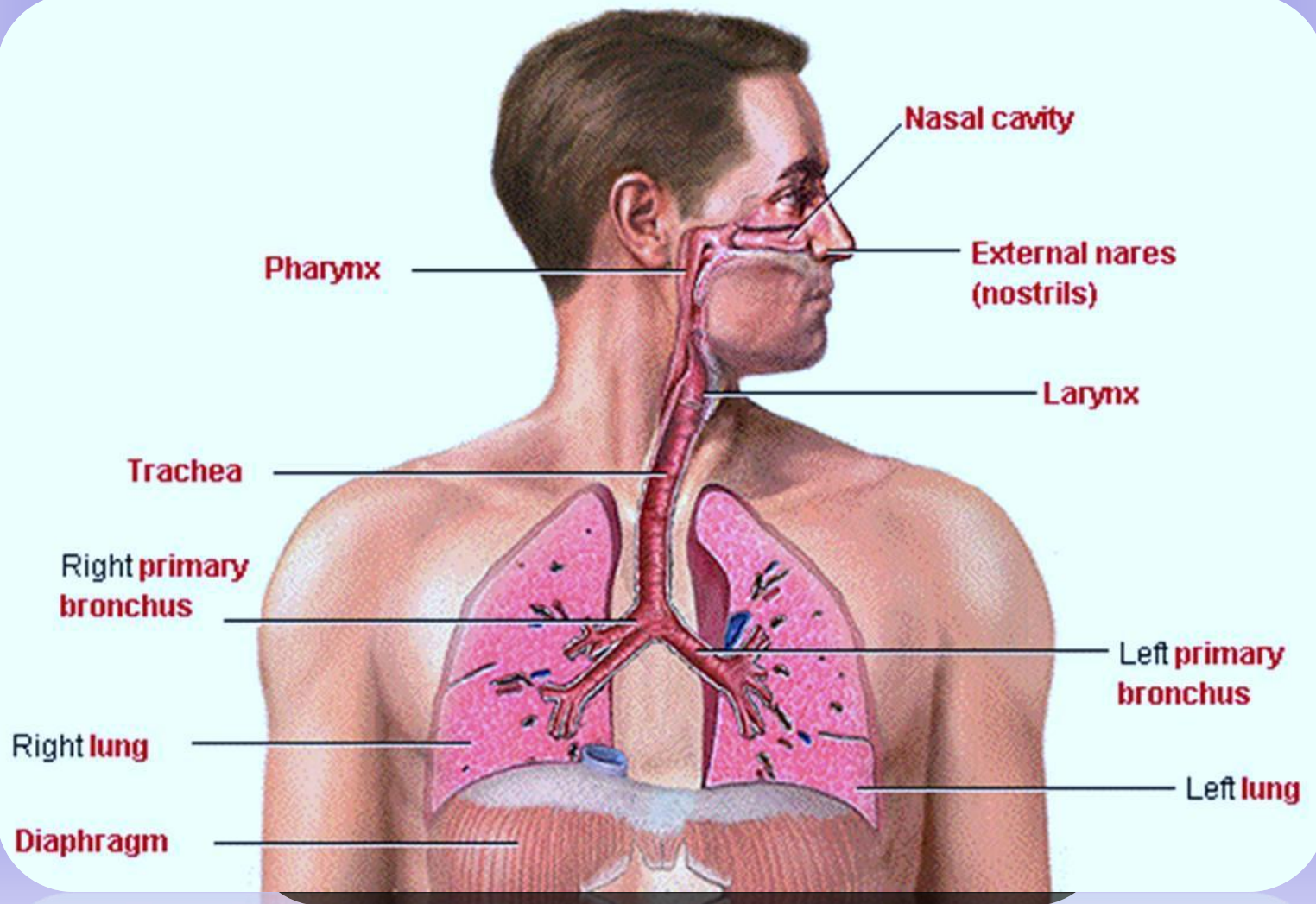


مقرر الجراحة الصغرى أ. د. كمال الكاتب

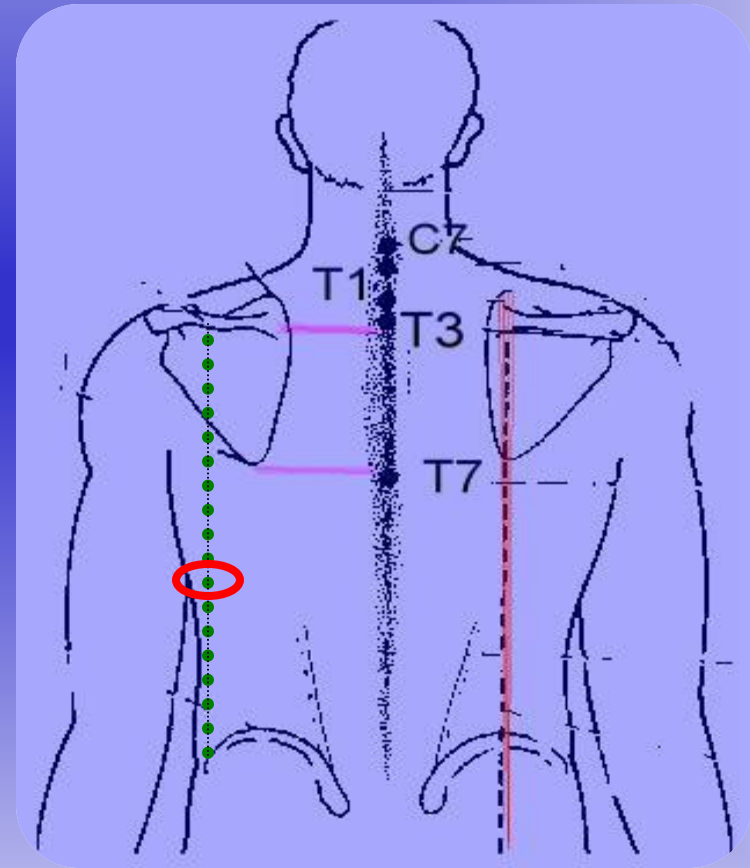
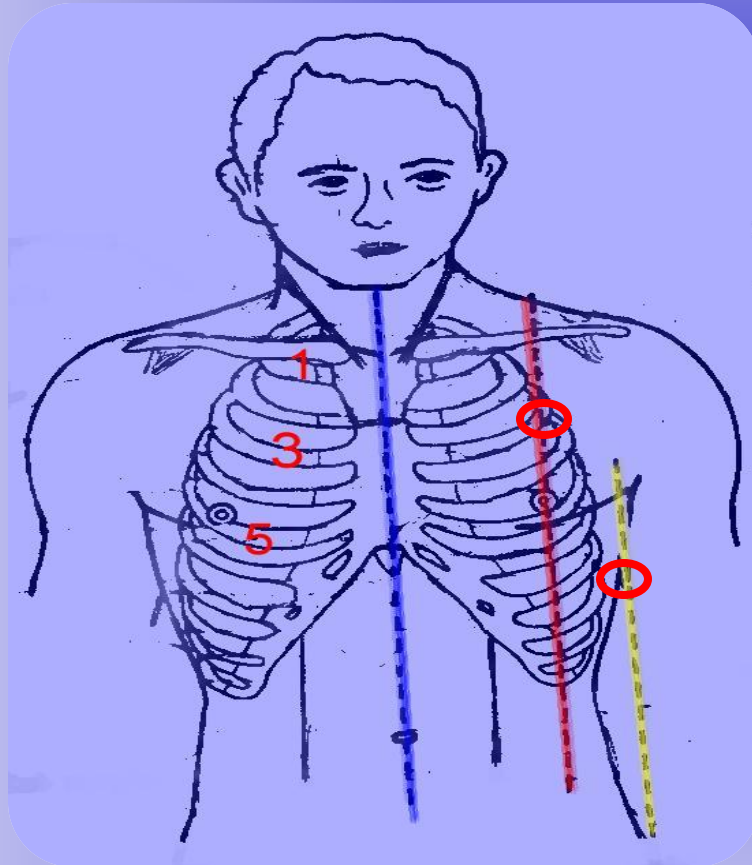


مقدمة تشريحية- فيزيولوجية

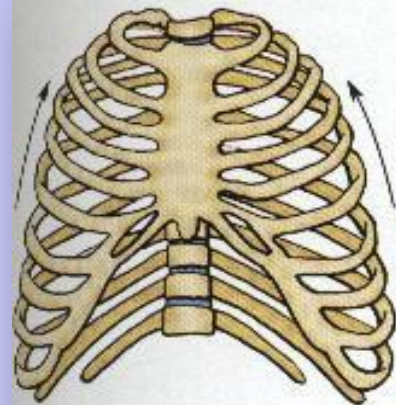
Anatomy



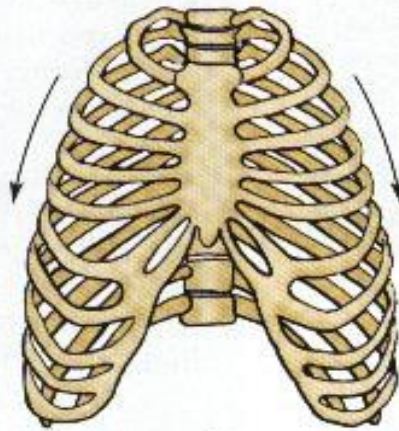
Anatomy



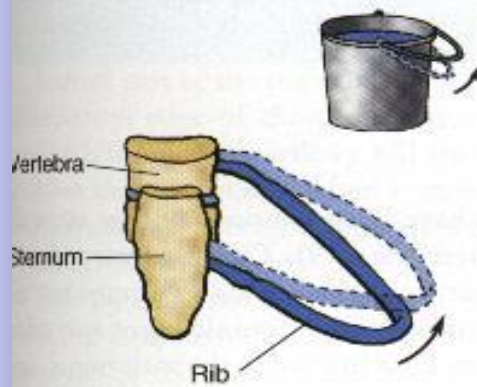
Anatomy



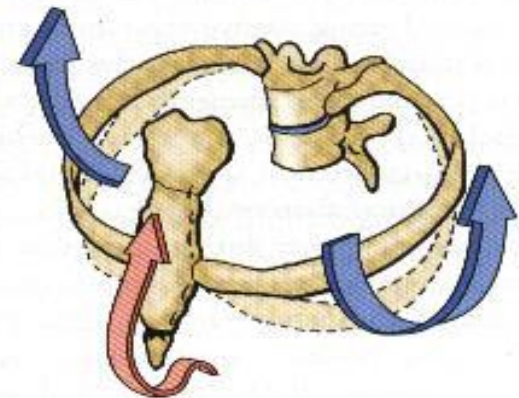
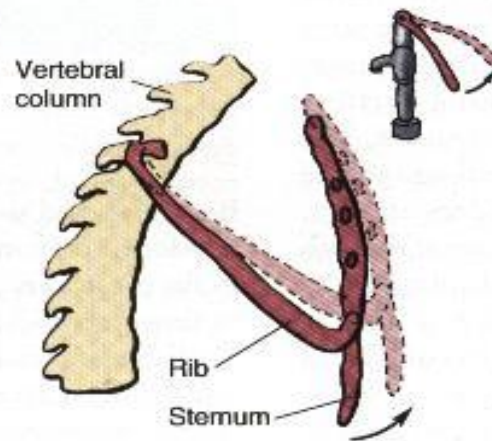
(A) Inspiration



Expiration



(B)

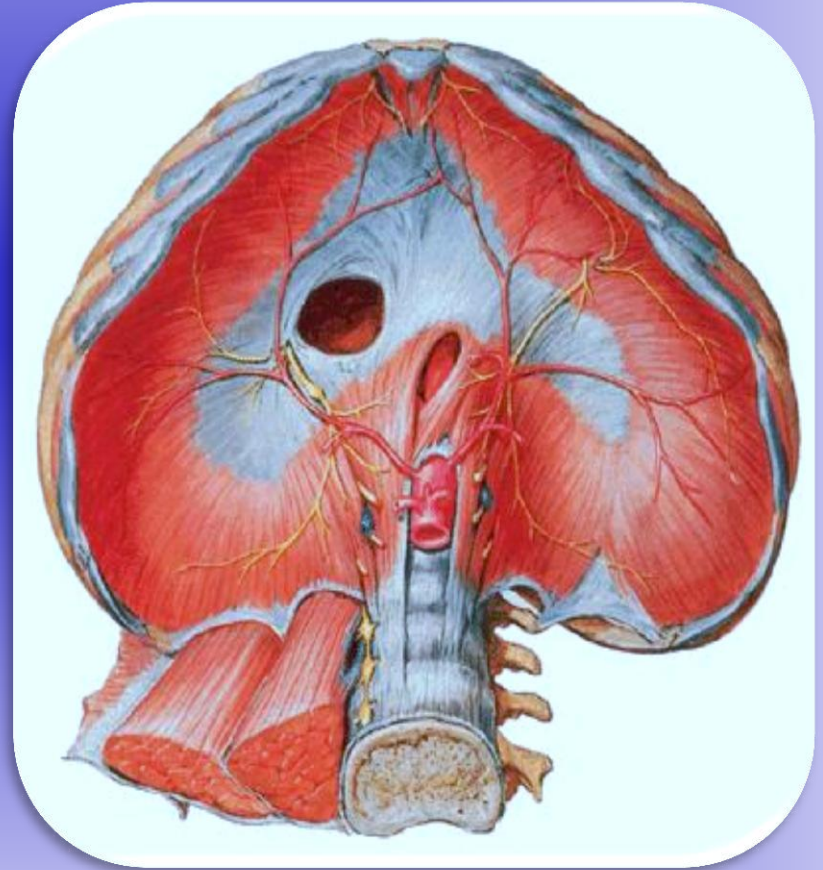
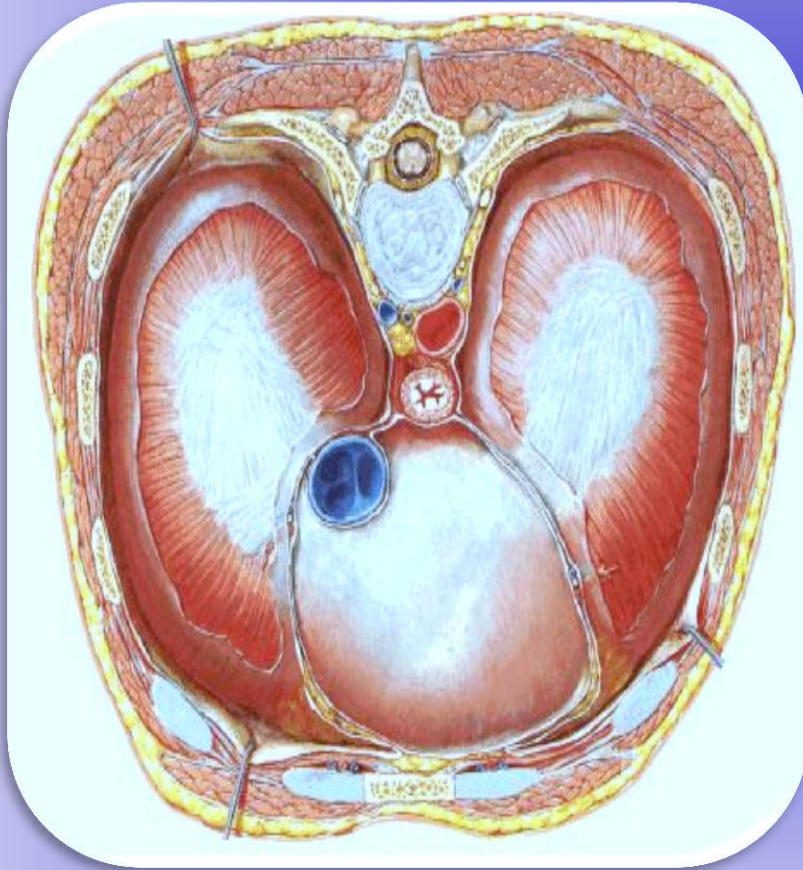


(C) Combination of movements

Anatomy

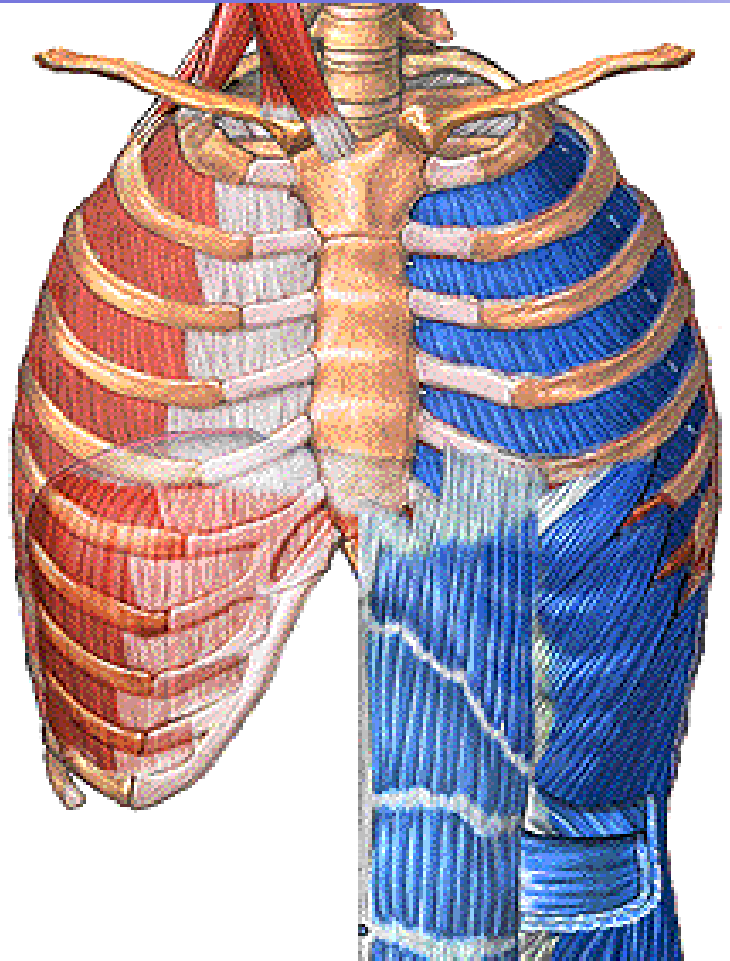
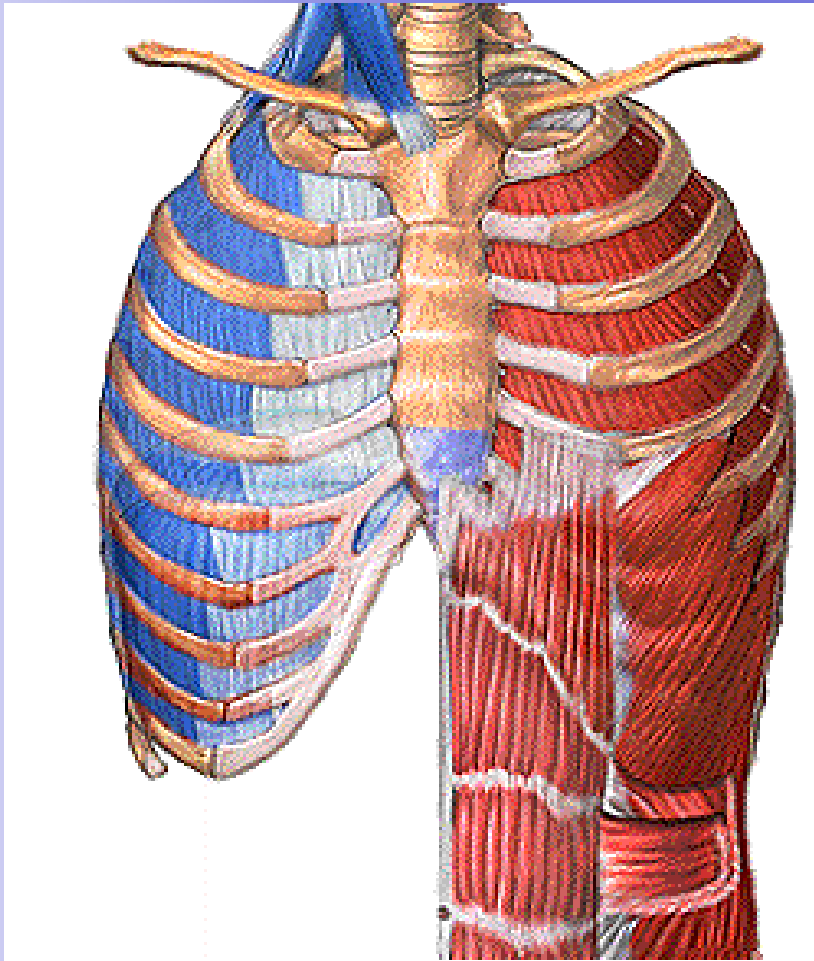


Anatomy

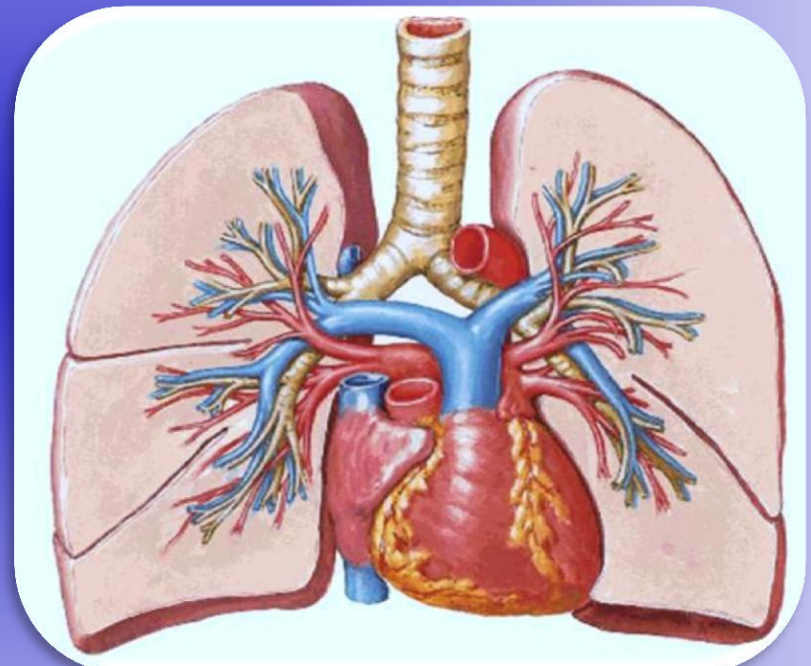
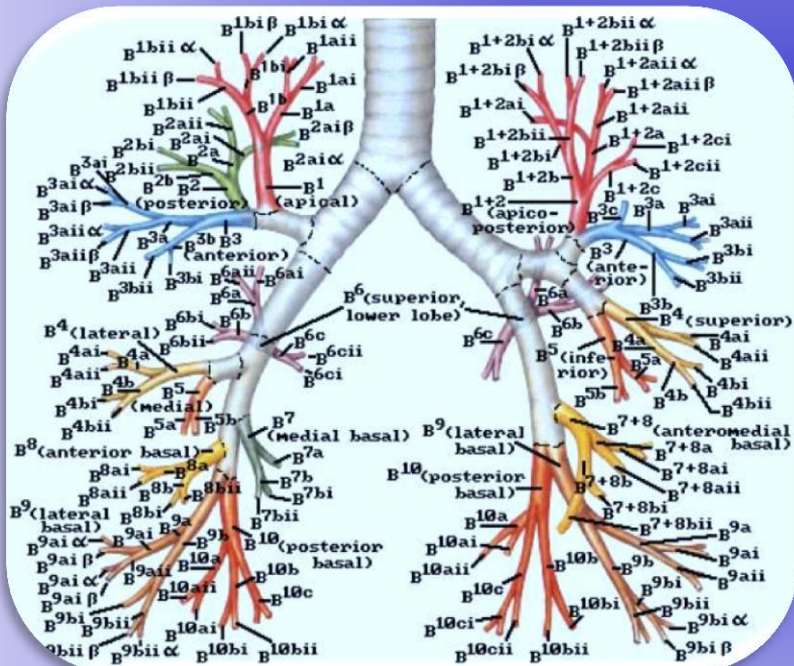


Inspiration

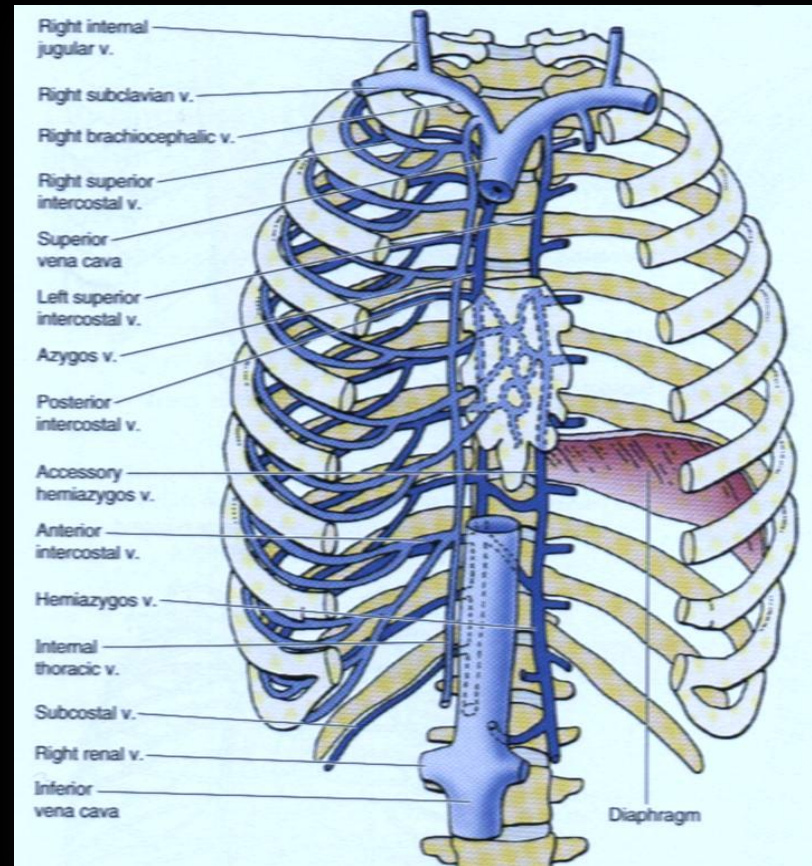
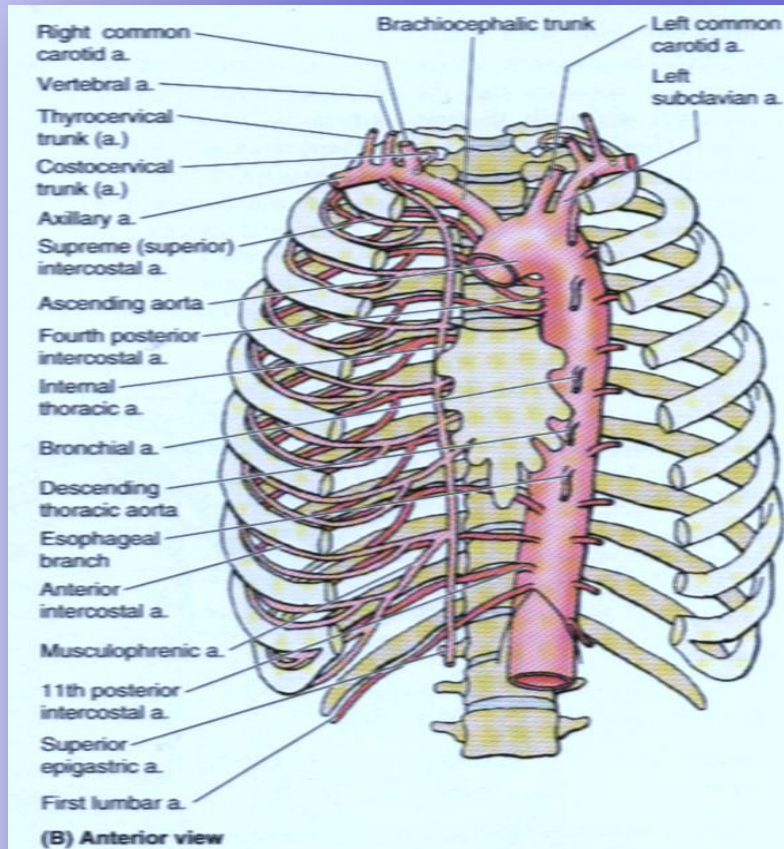
Expiration



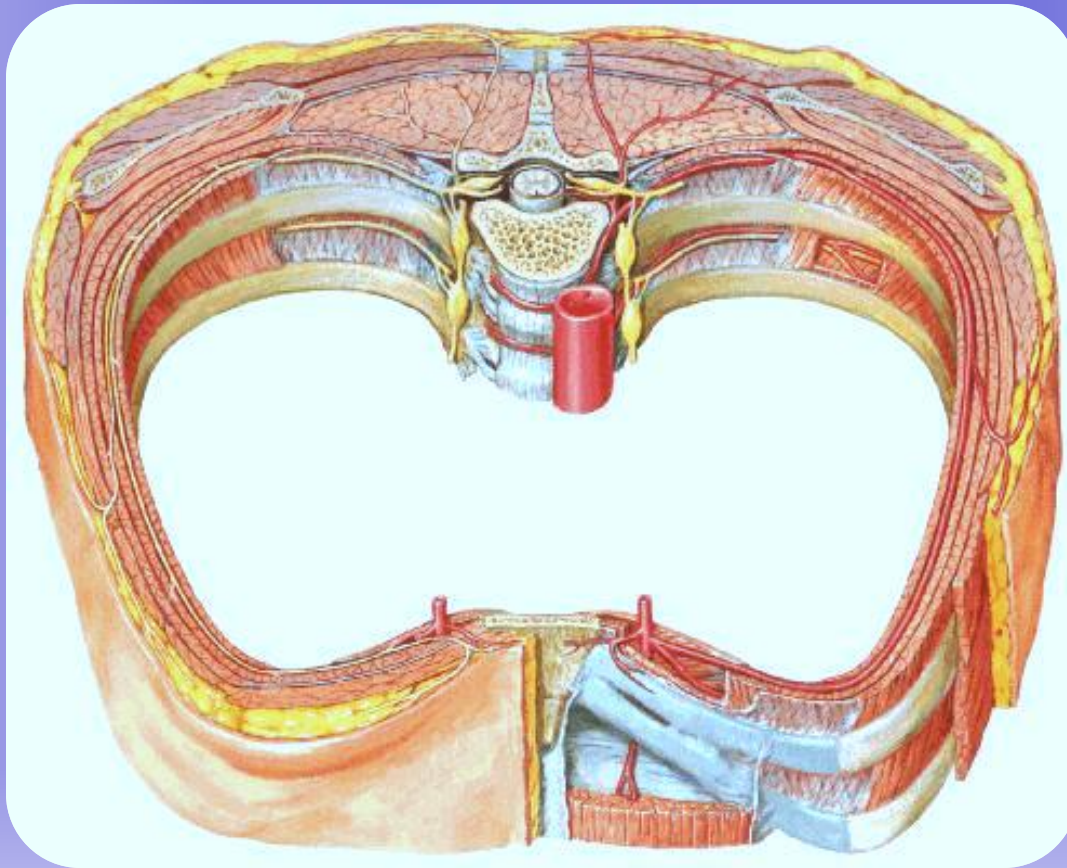
Anatomy



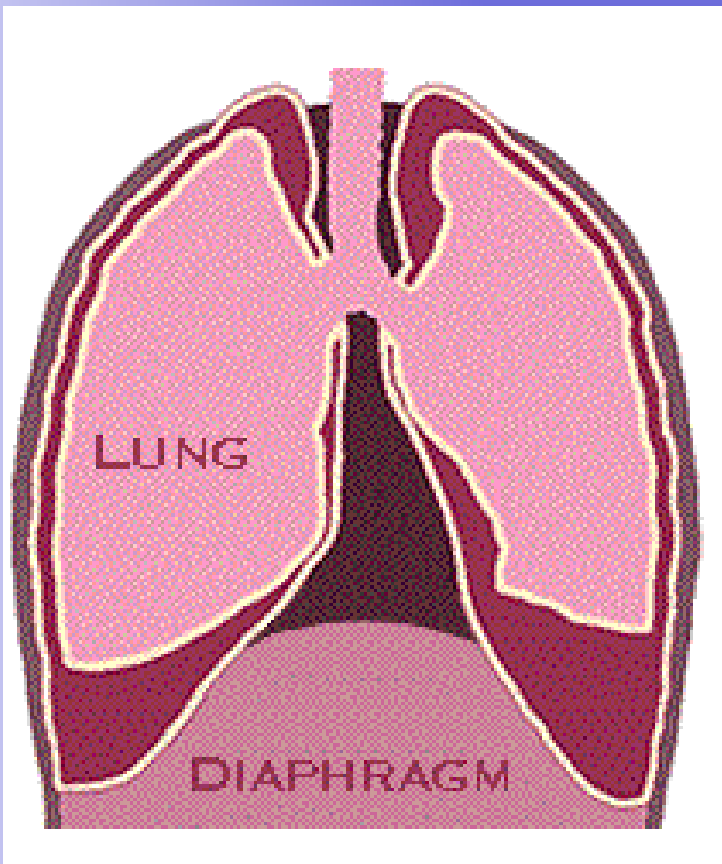
Anatomy



Anatomy



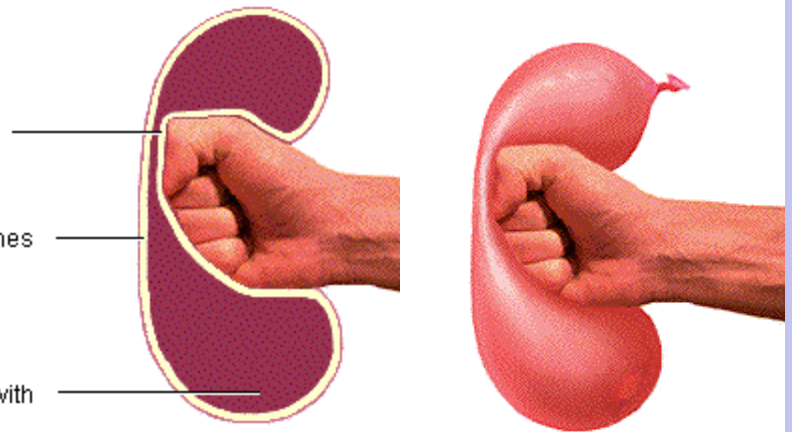
Pleural Space



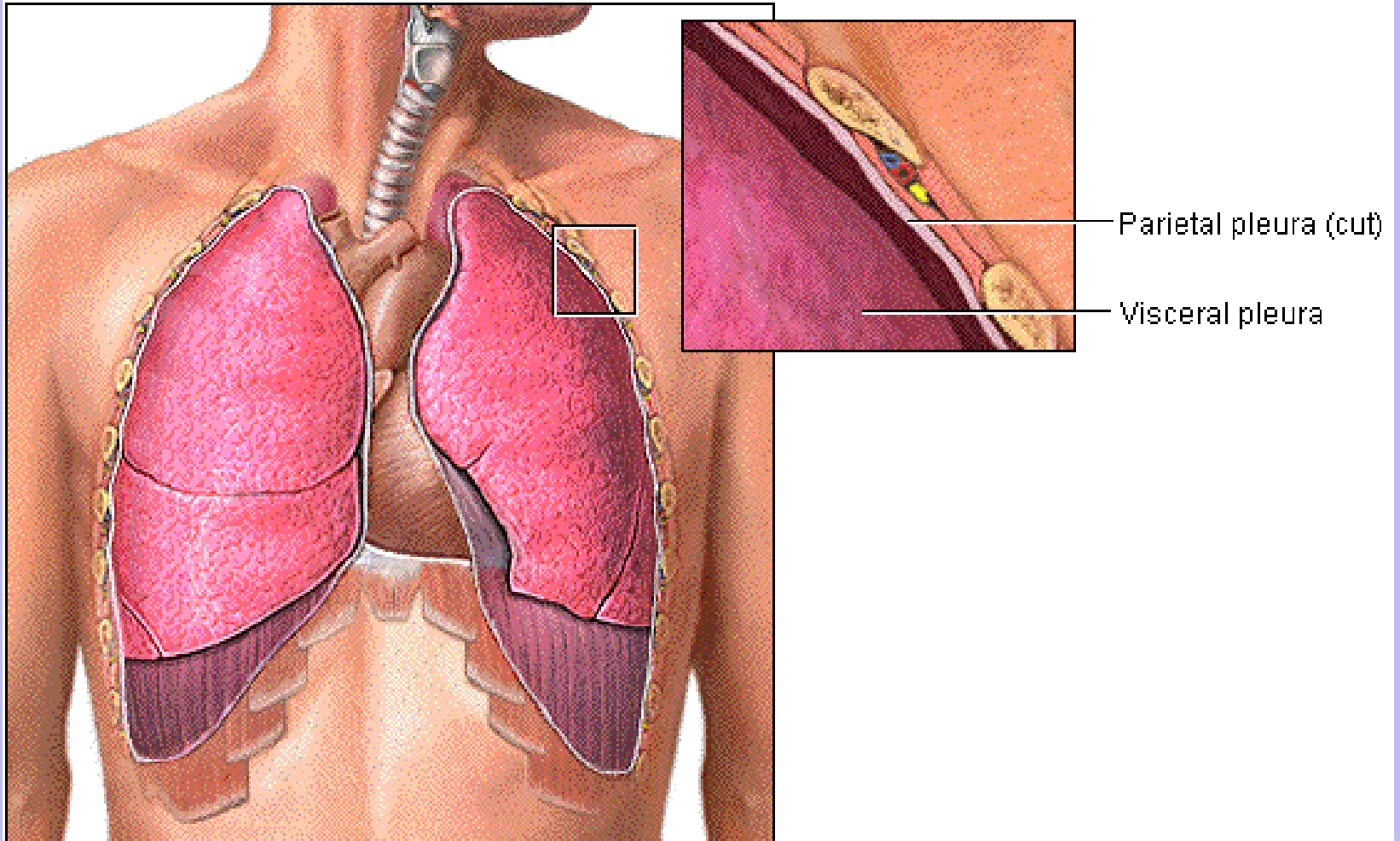
- **Visceral pleura**
covers surface
of lungs

Parietal pleura lines
• mediastinum
• diaphragm
• thoracic wall

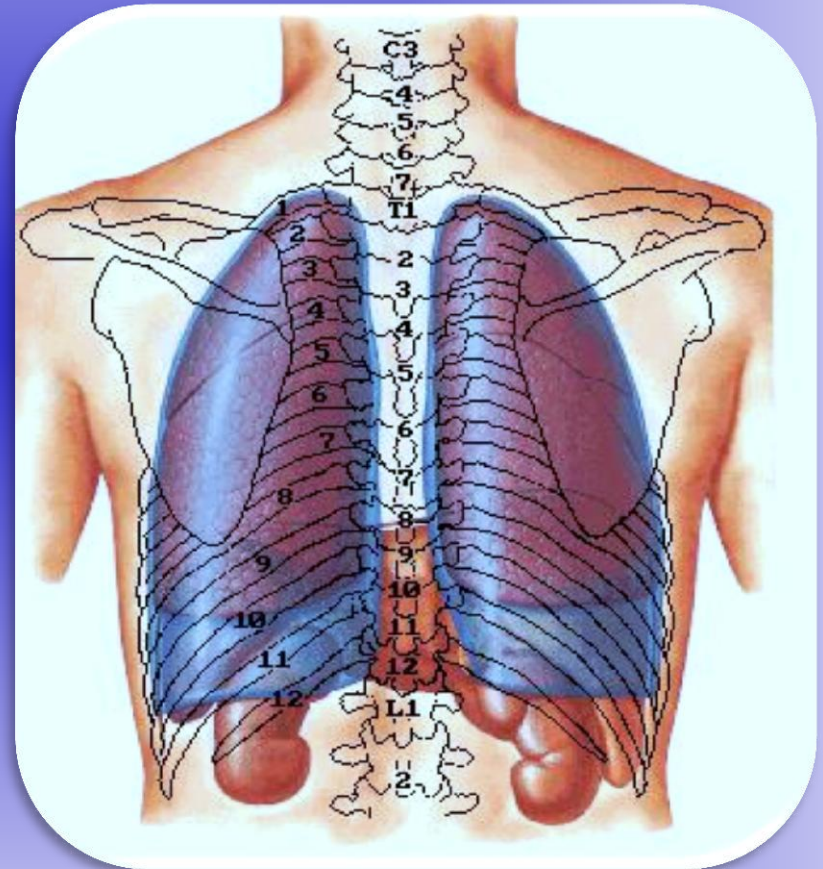
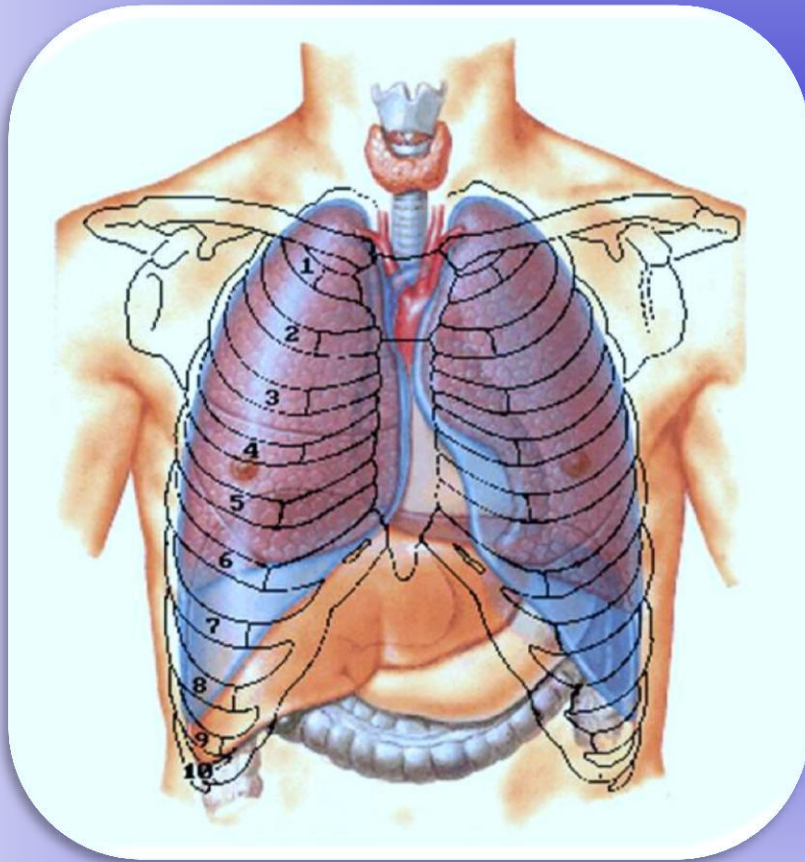
- **Pleural cavity** with
pleural fluid



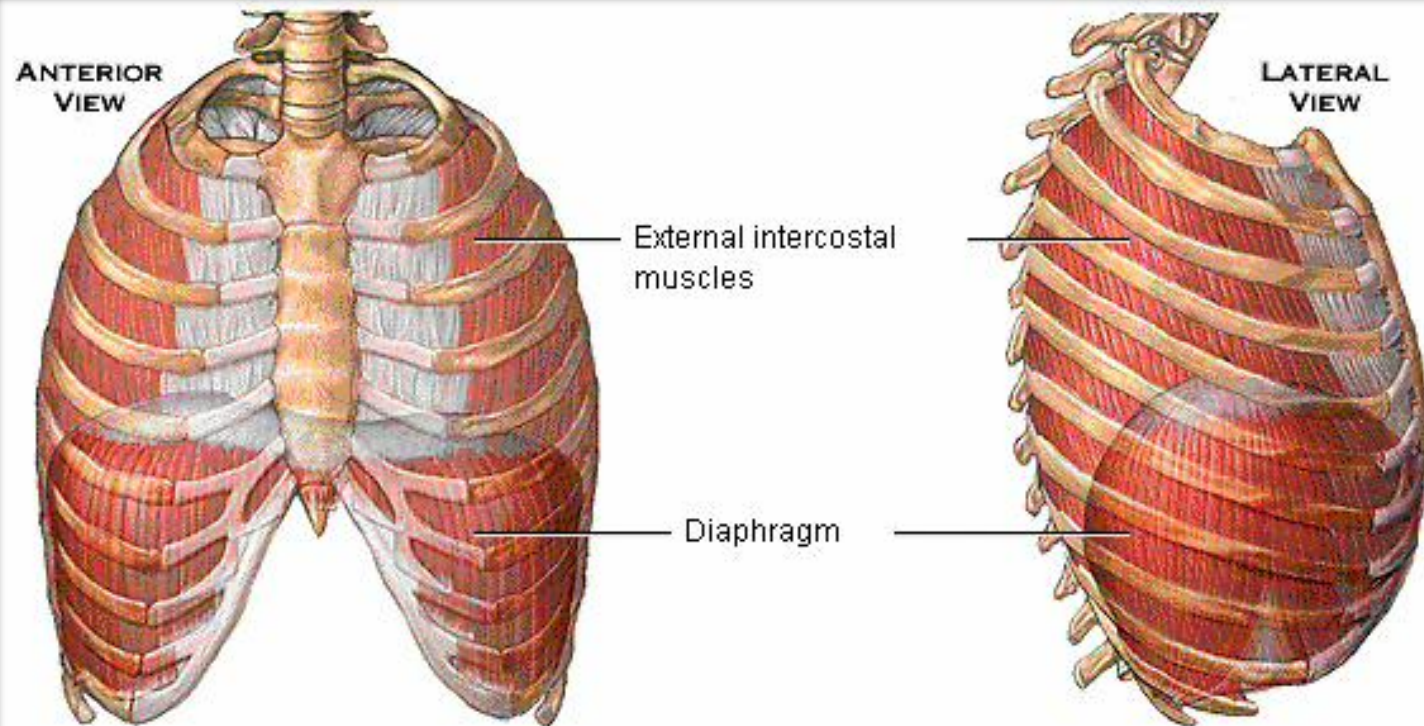
Pleural Space



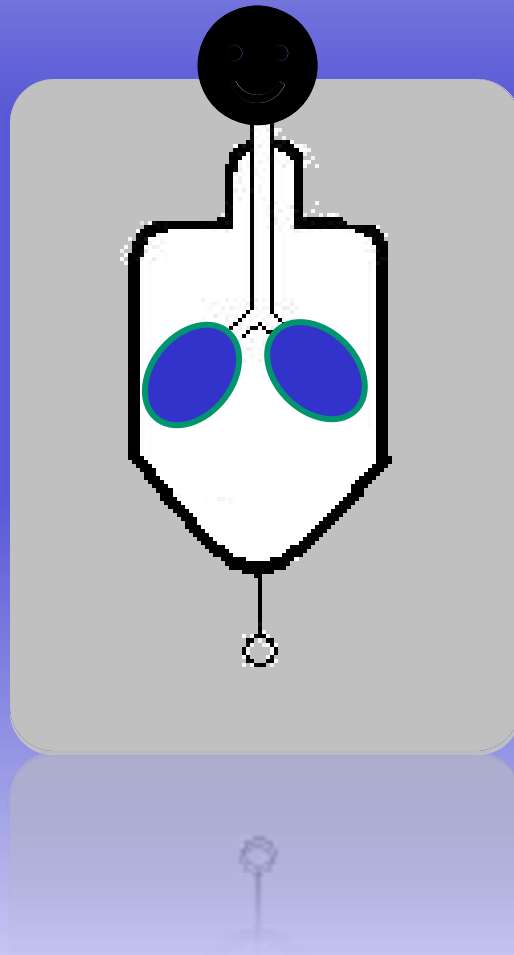
Anatomy



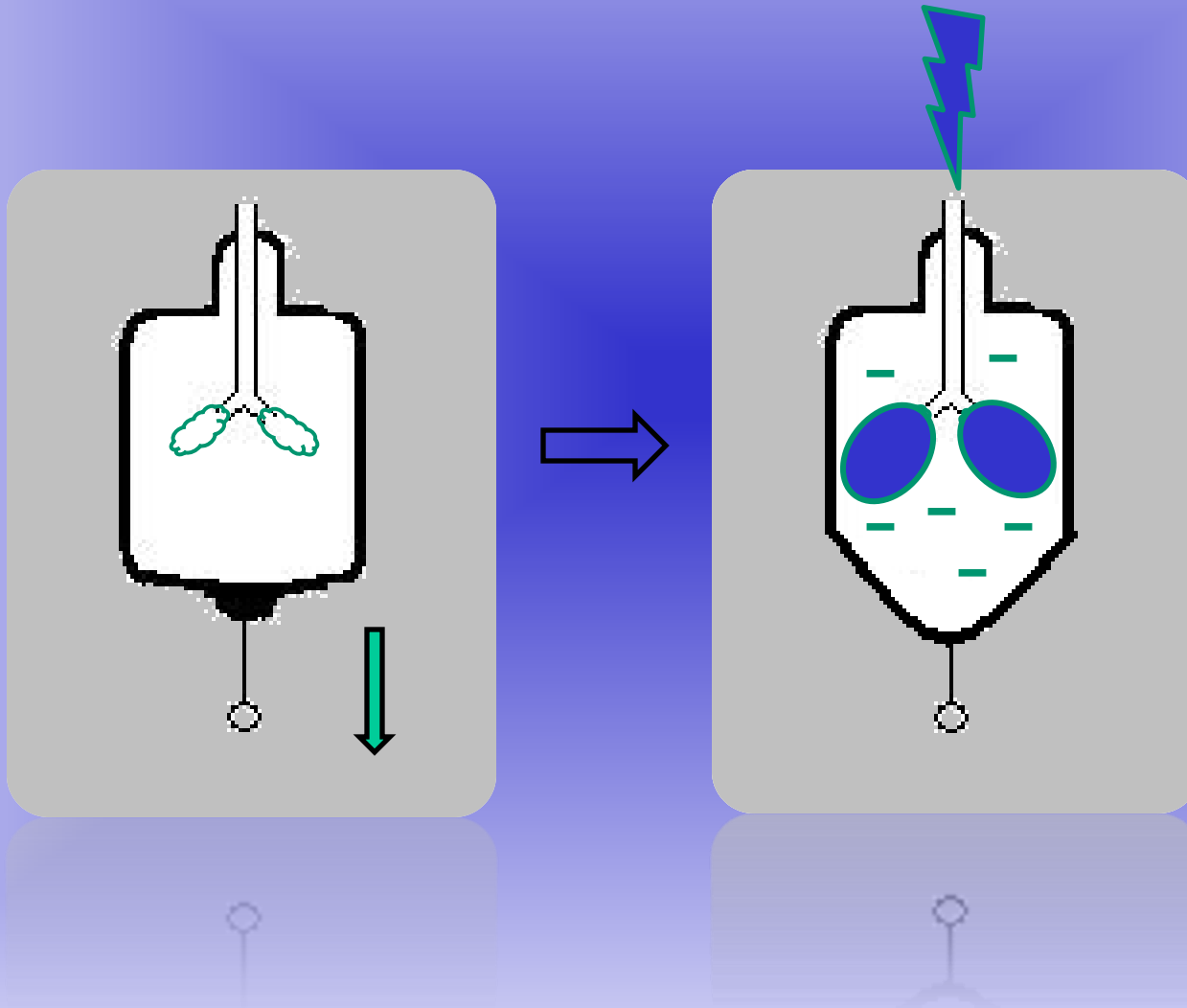
Ventilation



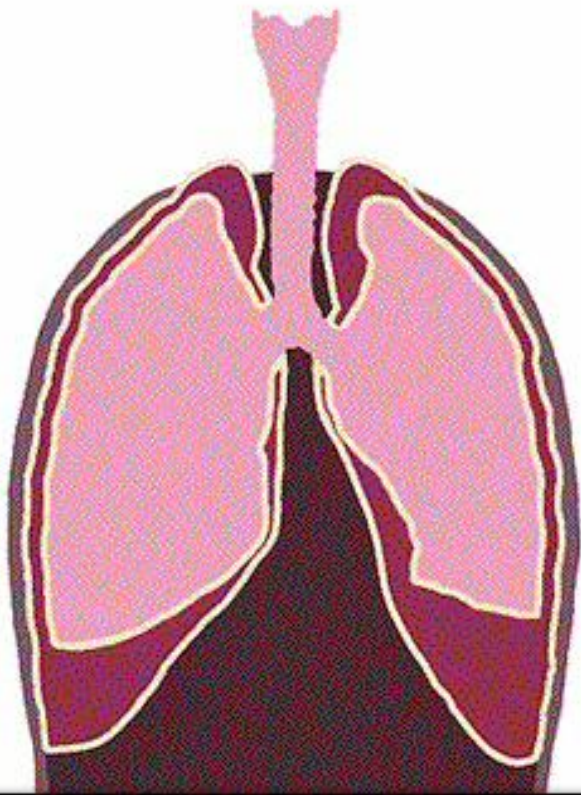
Ventilation



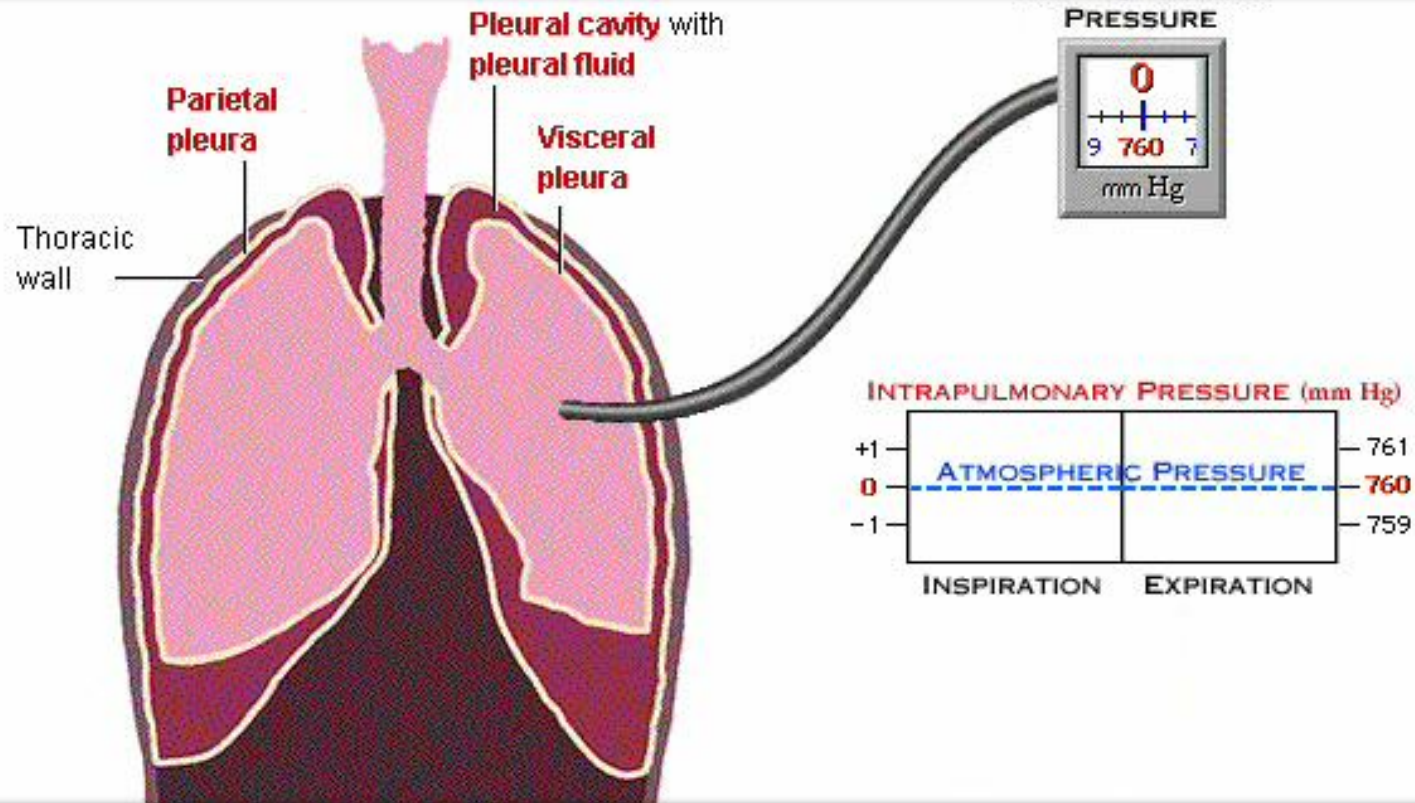
Ventilation



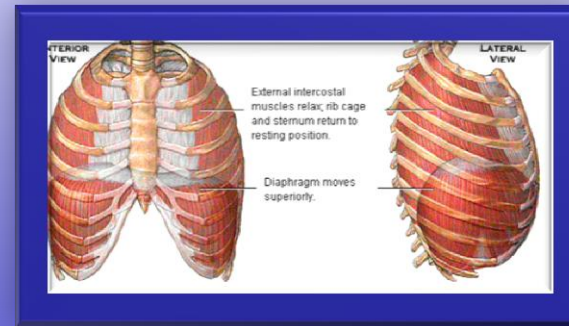
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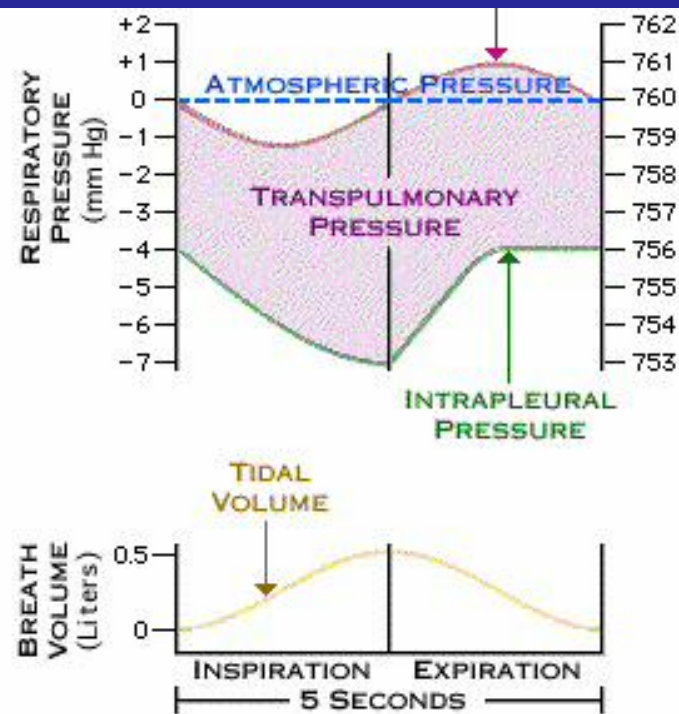
Ventilation



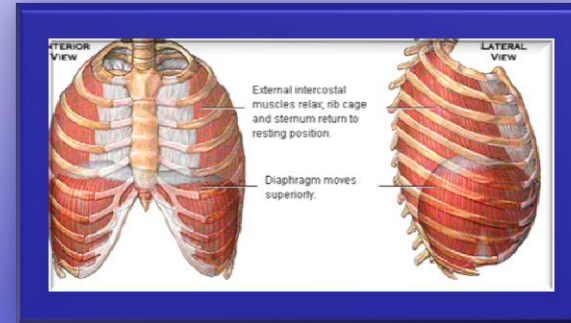
Ventilation



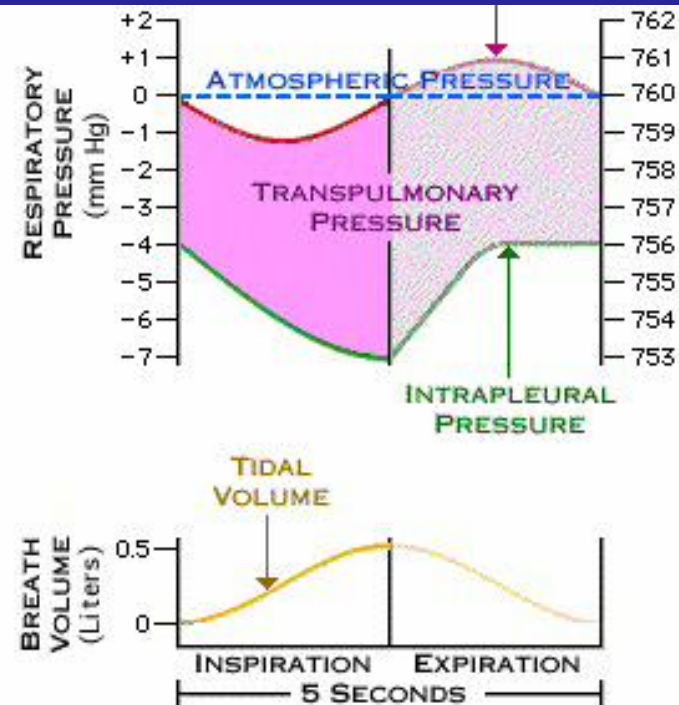
Diaphragm and external
intercostal muscles contract



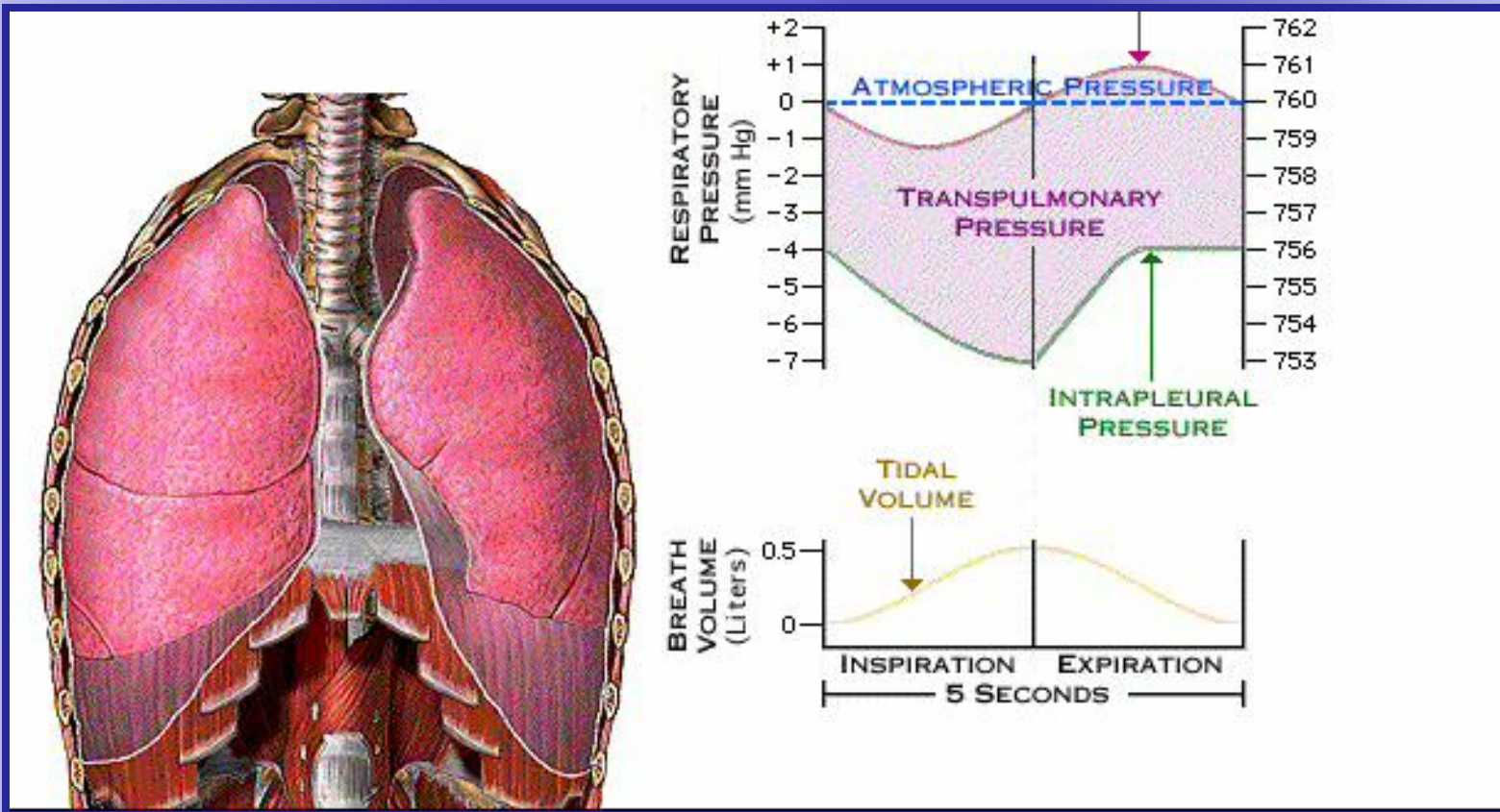
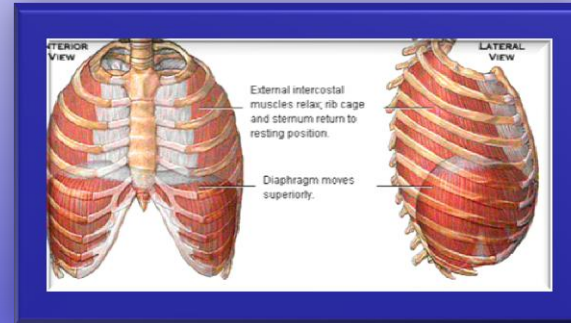
Ventilation



Diaphragm and external intercostal muscles relax



Ventilation



The end
Thanks

