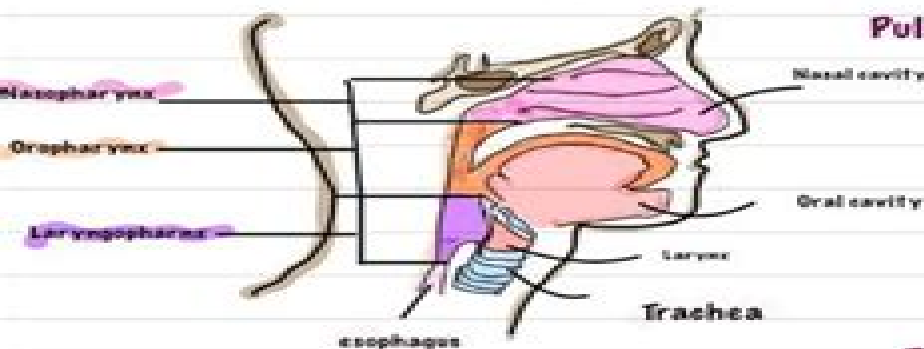


Respiratory system



Pulmonary ventilation = tech term for breathing

Provide adequate alveolar ventilation

Overall functions

Gas exchange between air and circulating blood

Moves air to and from exchange surfaces of lungs

Produces sound

Protects respiratory surfaces from outside environment

Regulates acid-base balance

Olfactory sense

Air is warmed filtered and humidified by upper resp System

Lower resp tract conducts air to and from gas exchange surfaces

Consists of

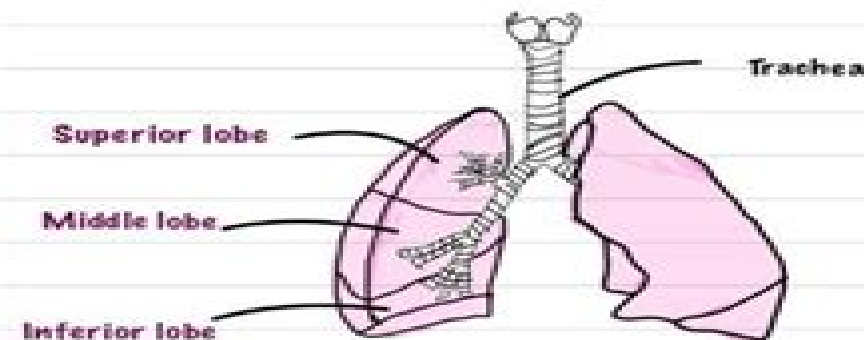
Larynx

Trachea

Bronchus

Bronchioles

Respiratory bronchioles



Diaphragm increases and decrease volume in thoracic cage

Internal intercostal elevate ribs

Boyle's law $p = 1/V$

Air moves from areas of high pressure to low pressure



Anatomy And Physiology The Respiratory System Guide

Huangqi Zhang



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