



RESPIRATORY SYSTEM

Function:

- BRINGS IN OXYGEN NEEDED FOR CELLULAR RESPIRATION AND REMOVES EXCESS CARBON DIOXIDE FROM THE BODY

Main Organs:

- NOSE

 - filters and breathes in air

- PHARYNX (throat)

- LARYNX (voice box)

- TRACHEA

 - guides air to lungs

- LUNGS

- BRONCHI

 - extension of trachea, splits to divide up air among lungs

- BRONCHIOLES

 - guide air to alveoli

- ALVEOLI

 - location of gas exchange

Sinuses

Pharynx

Trachea

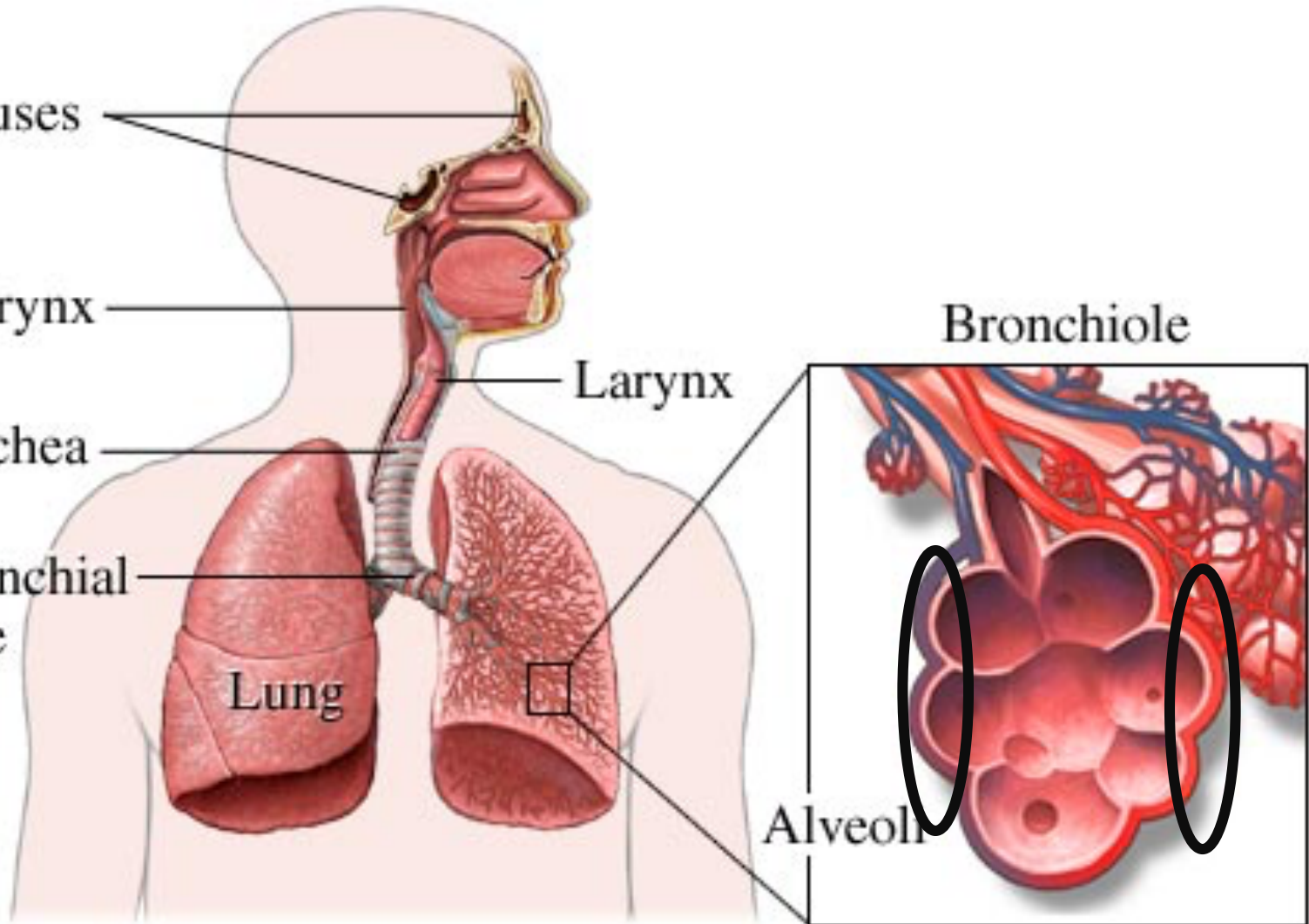
Bronchial
tube

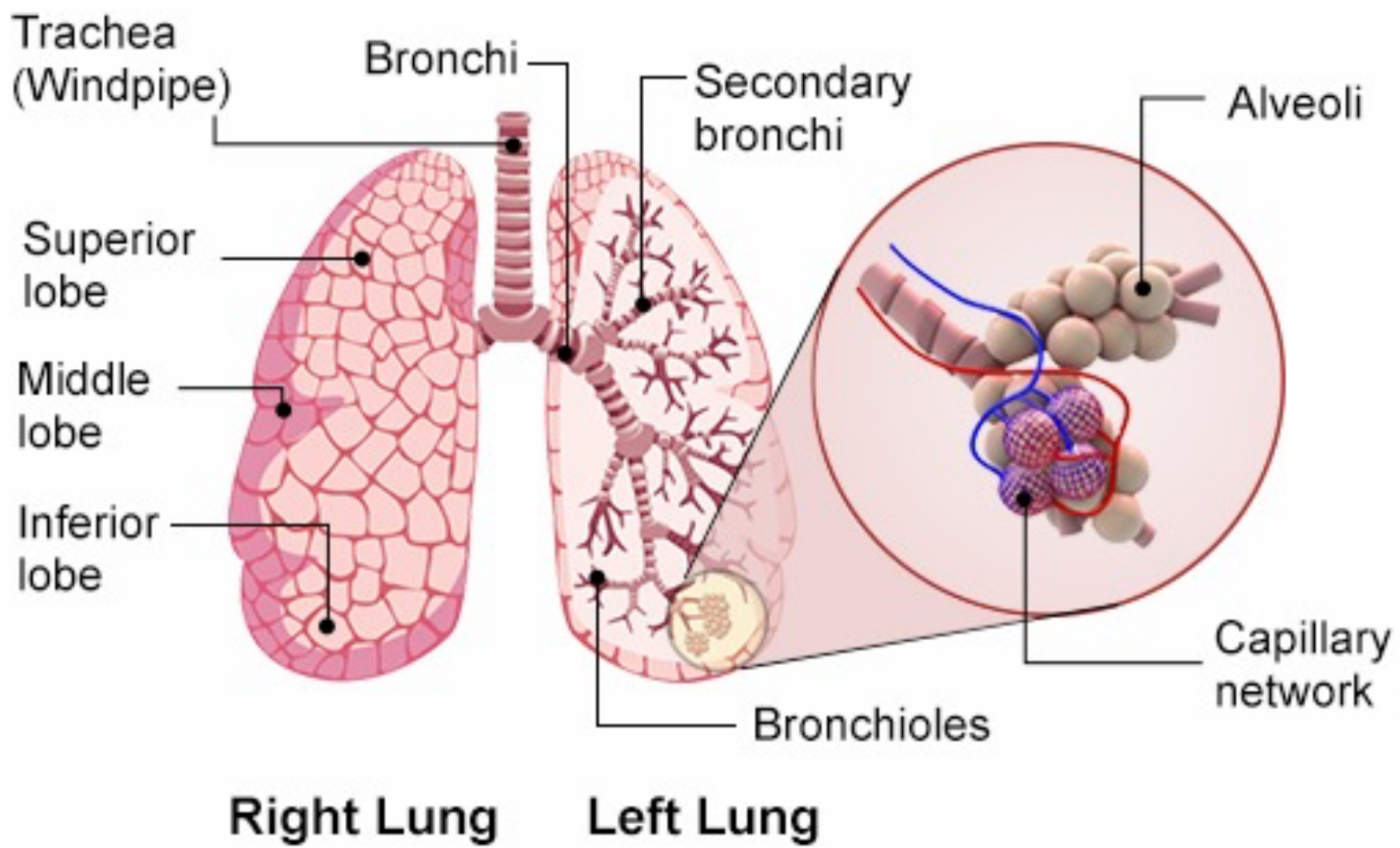
Lung

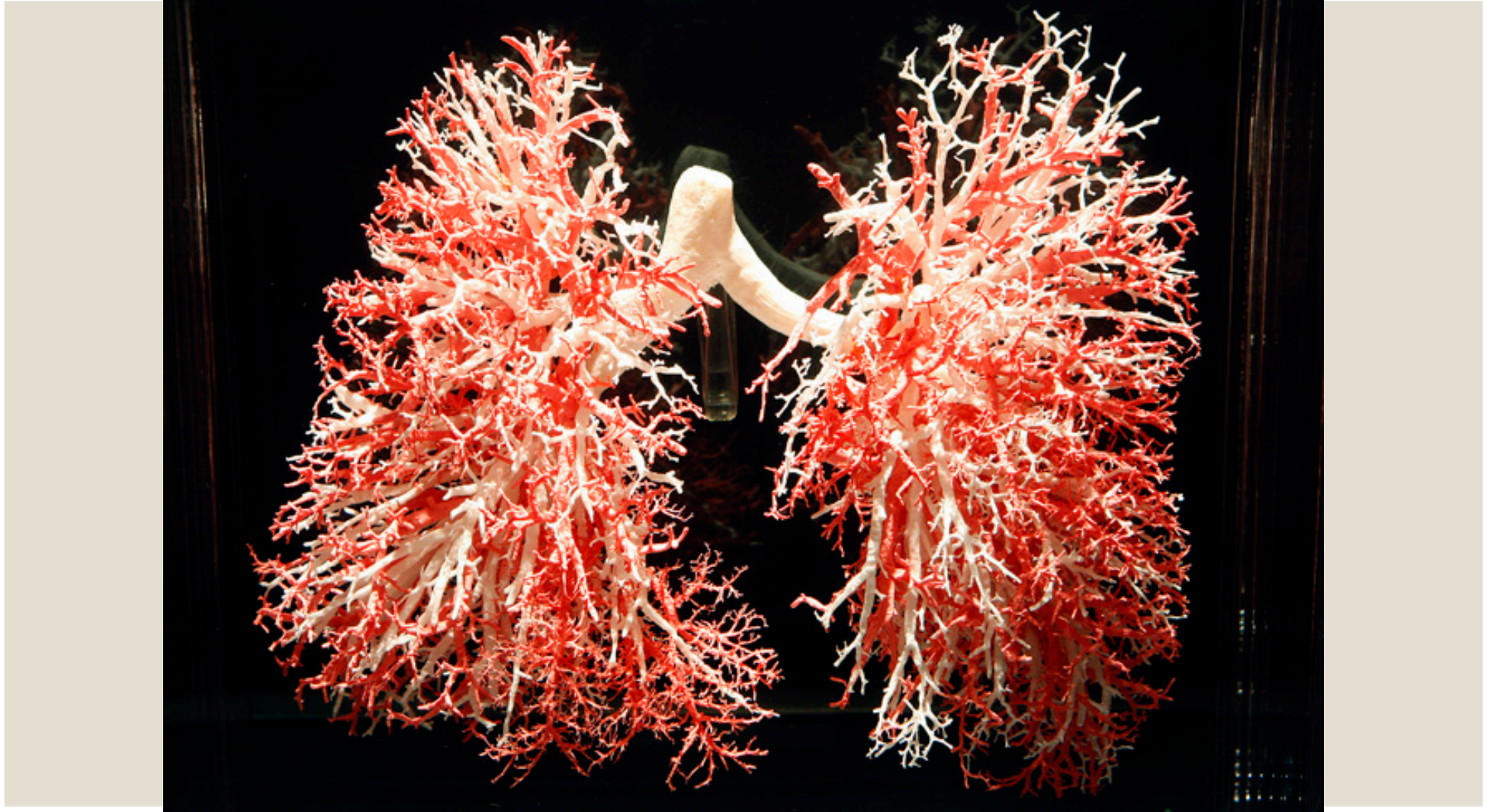
Larynx

Bronchiole

Alveoli





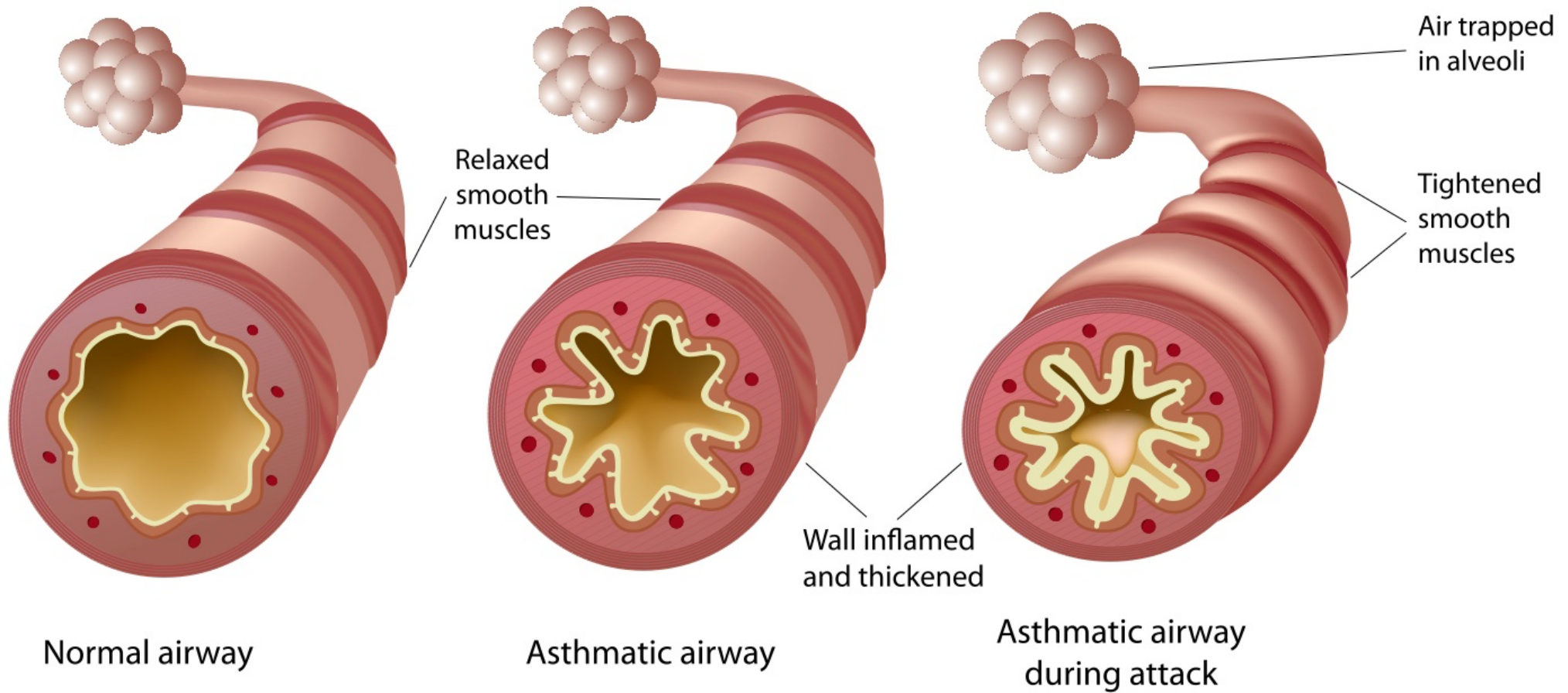


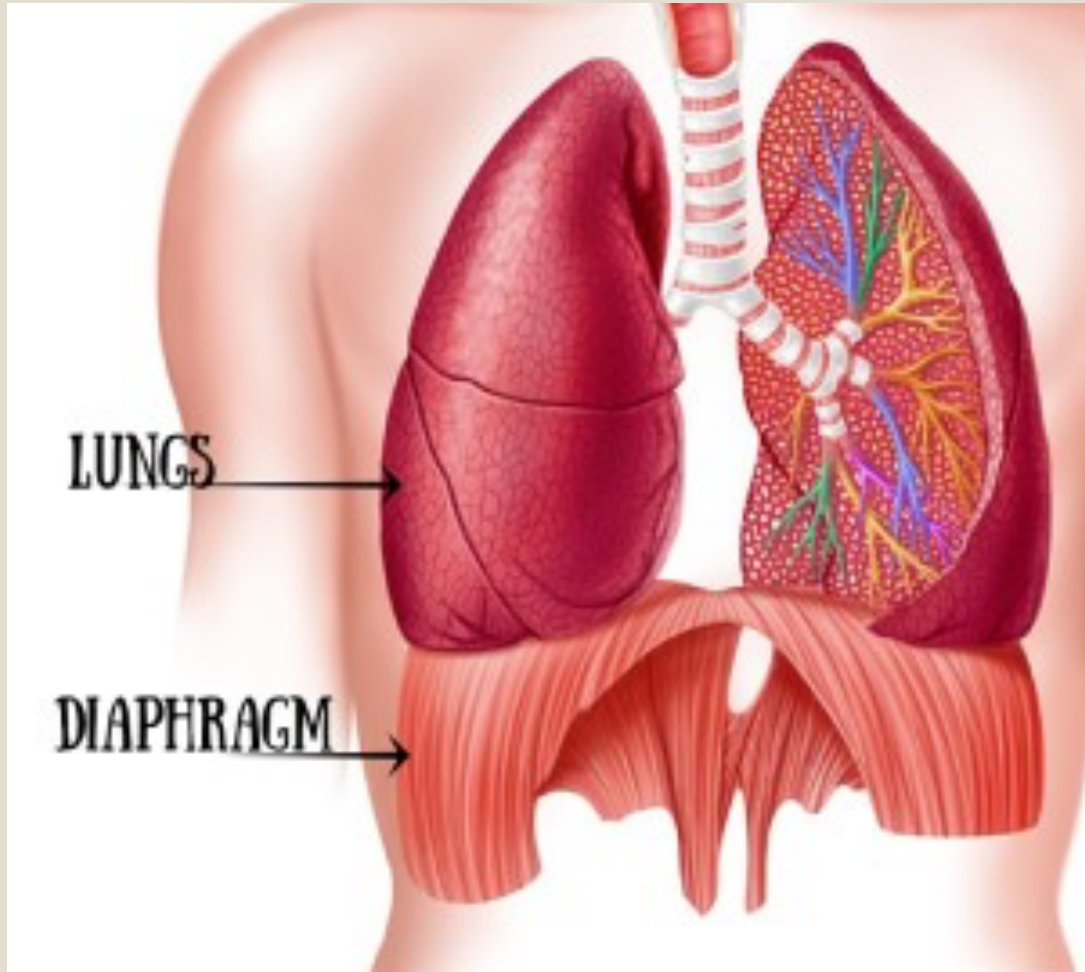
Emphysema

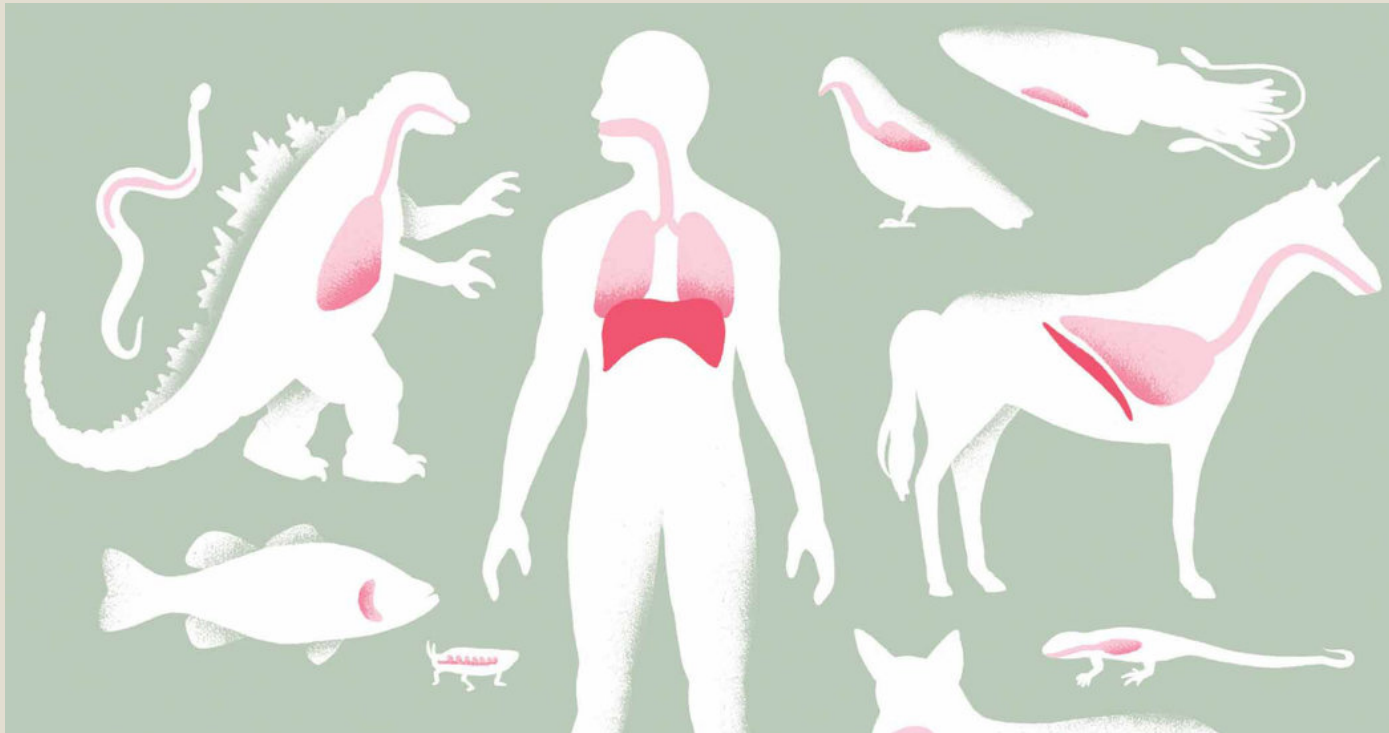
- Caused by smoking
- Gradual destruction alveoli
- What would be the effect of destroyed alveoli?



Asthma







- <http://www.nytimes.com/2015/04/07/science/behind-each-breath-an-underappreciated-muscle-the-diaphragm.html>

Gas Exchange in Plants

- Stomata: Pores in epidermis of leaves that can open and close to control the movement of CO₂ in and O₂ out (as a result of photosynthesis).
- All living organisms *MUST* do gas exchange – one of the requirements for life.

