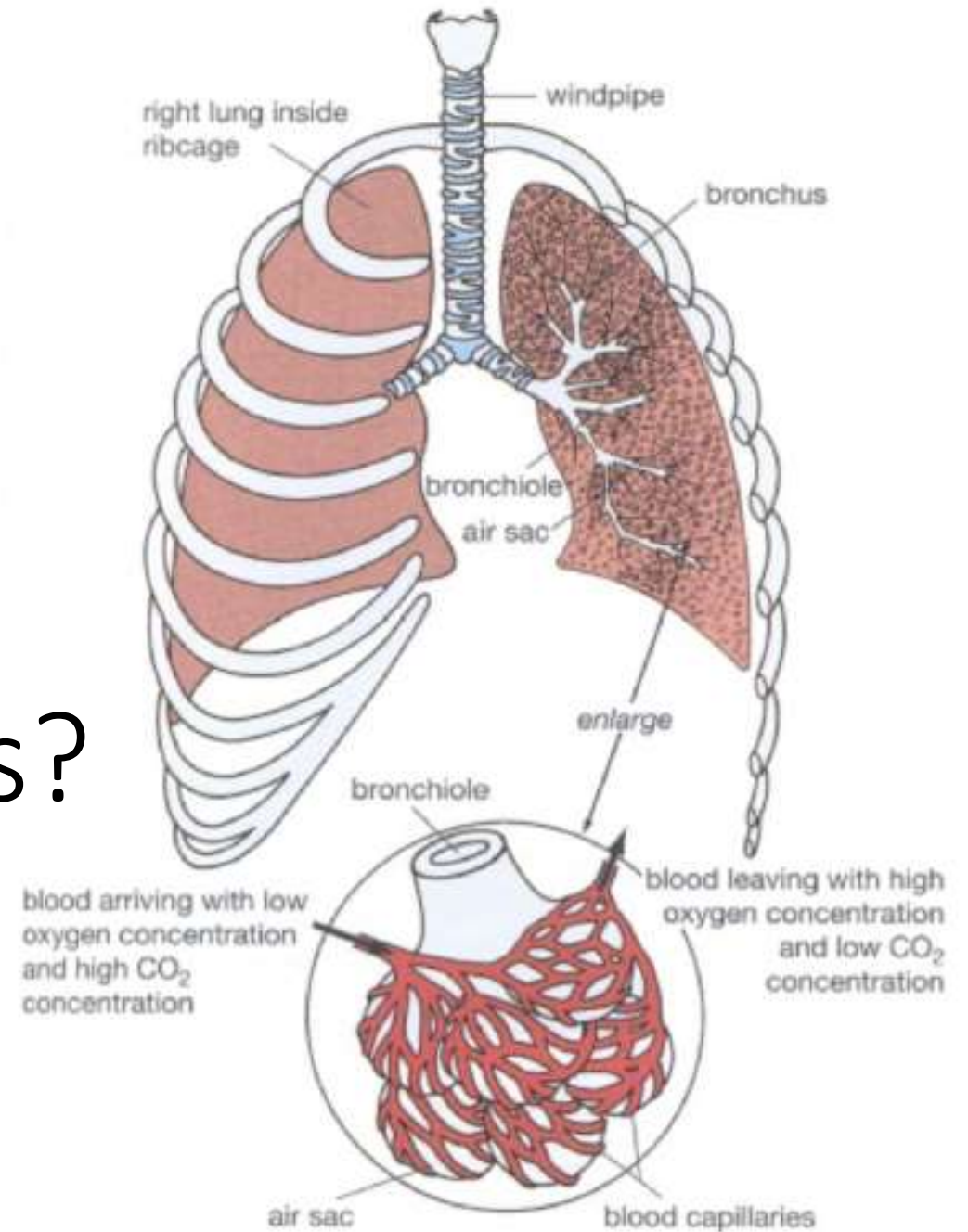


The Respiratory System

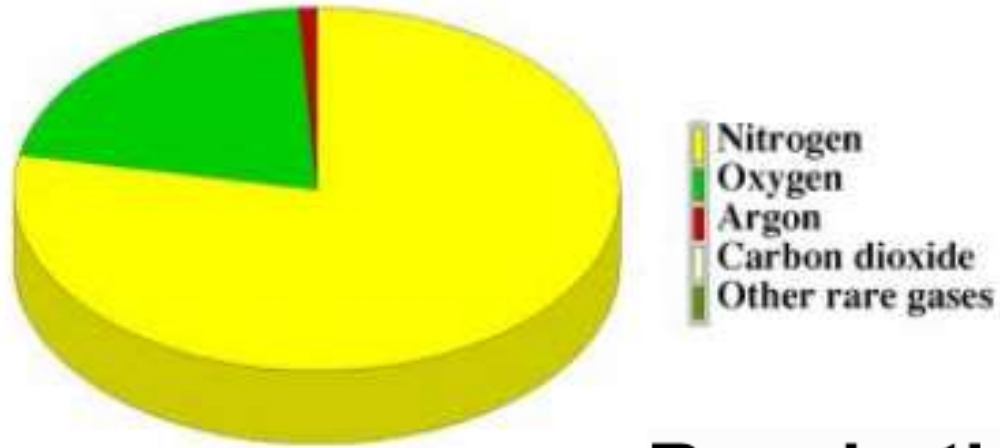
pages 556-559

Why do we need lungs?

Hint: what do our lungs do???



What exactly are we breathing?



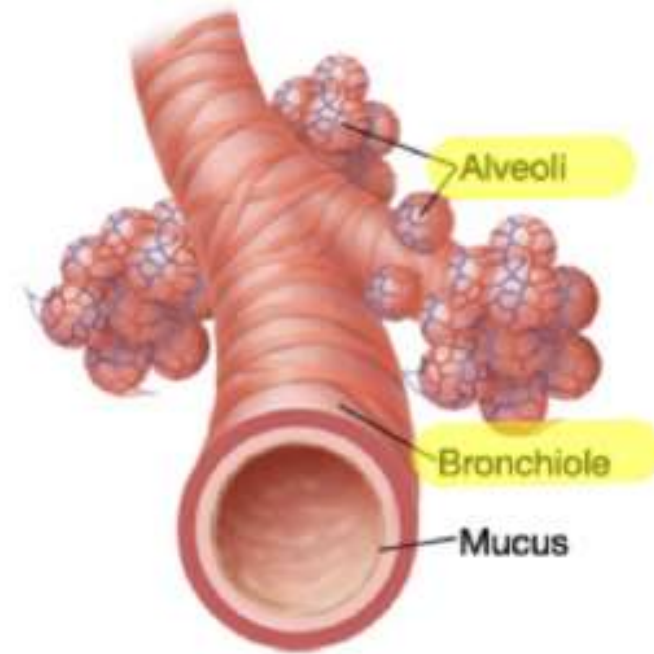
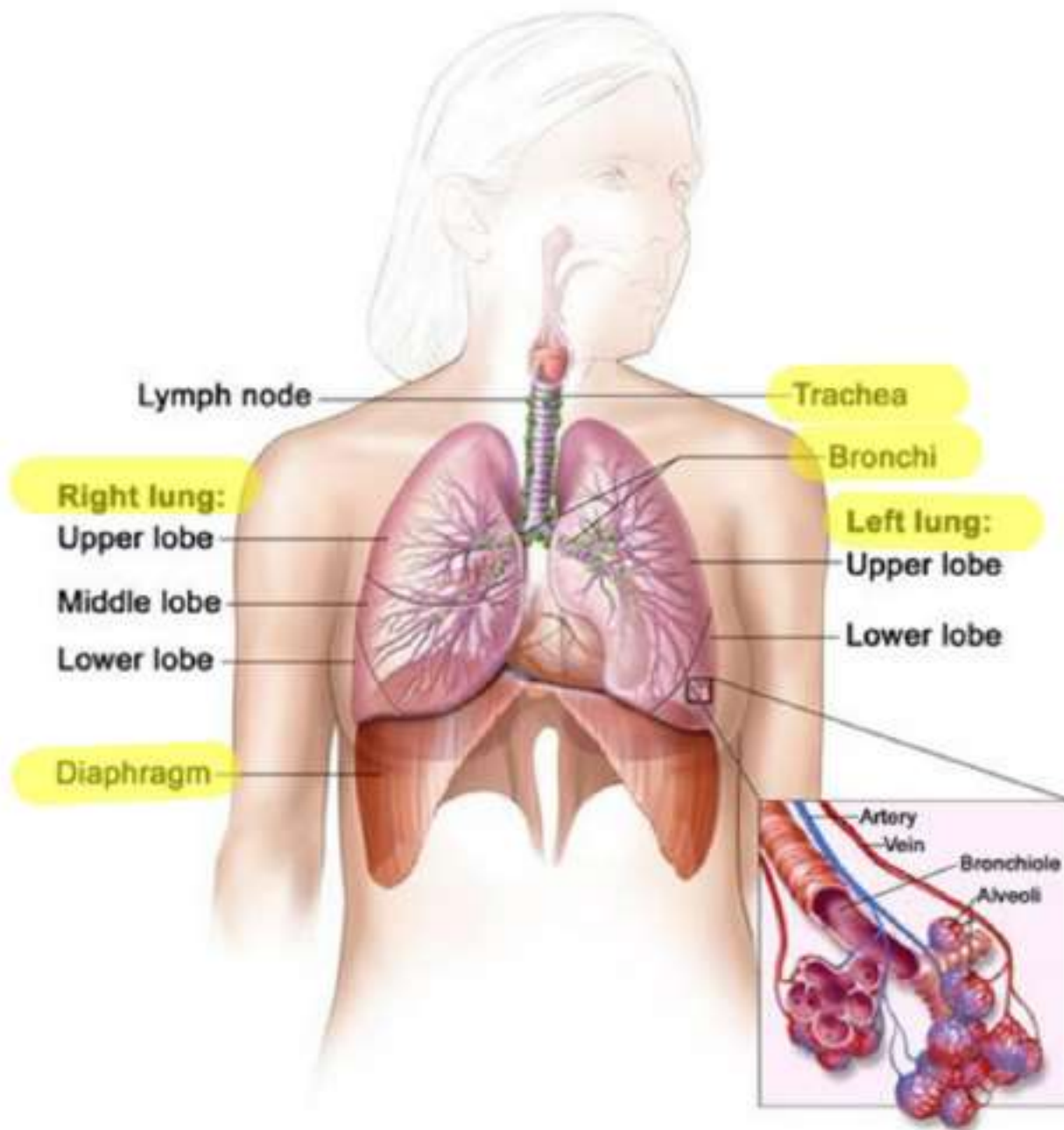
Respiration= the whole process of using oxygen and getting rid of CO₂ and water

Part 1: breathing

Part 2: cellular respiration
(chemical reactions with food)

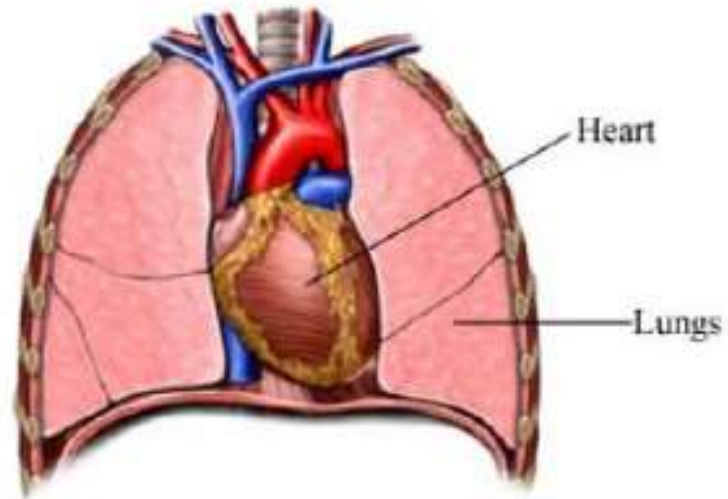
at the molecular level



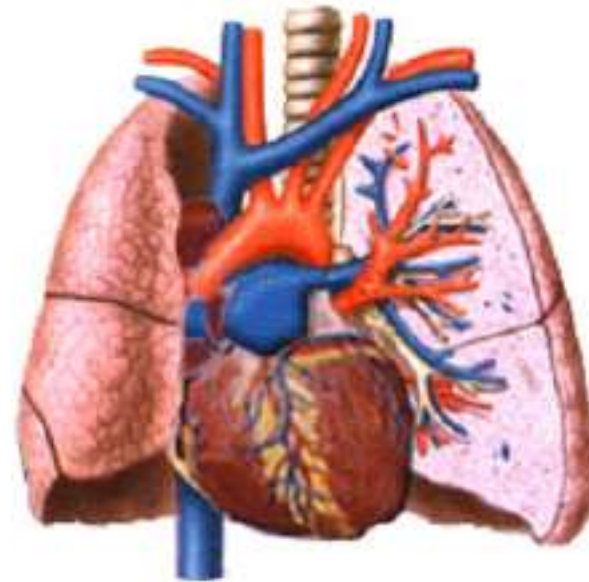


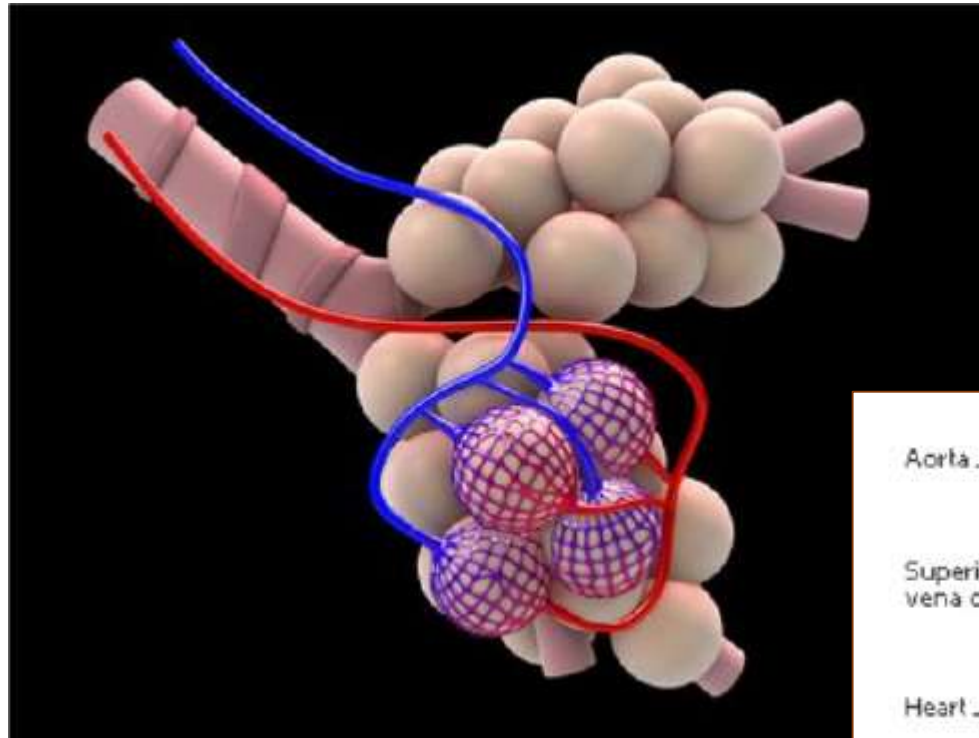
What are the parts of this system?

How does the heart fit in?

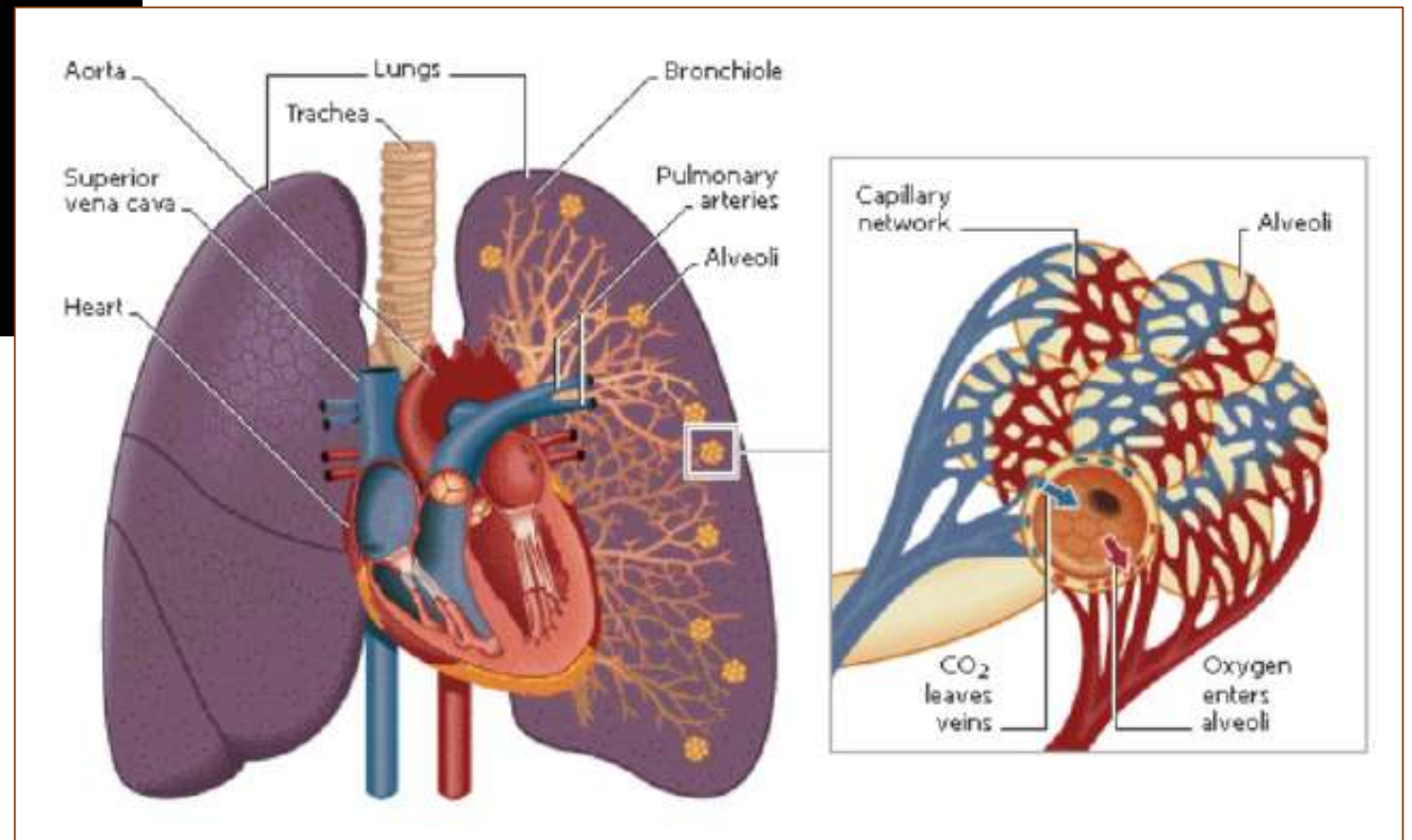


Air goes from our lungs, through the blood stream, and into our heart.

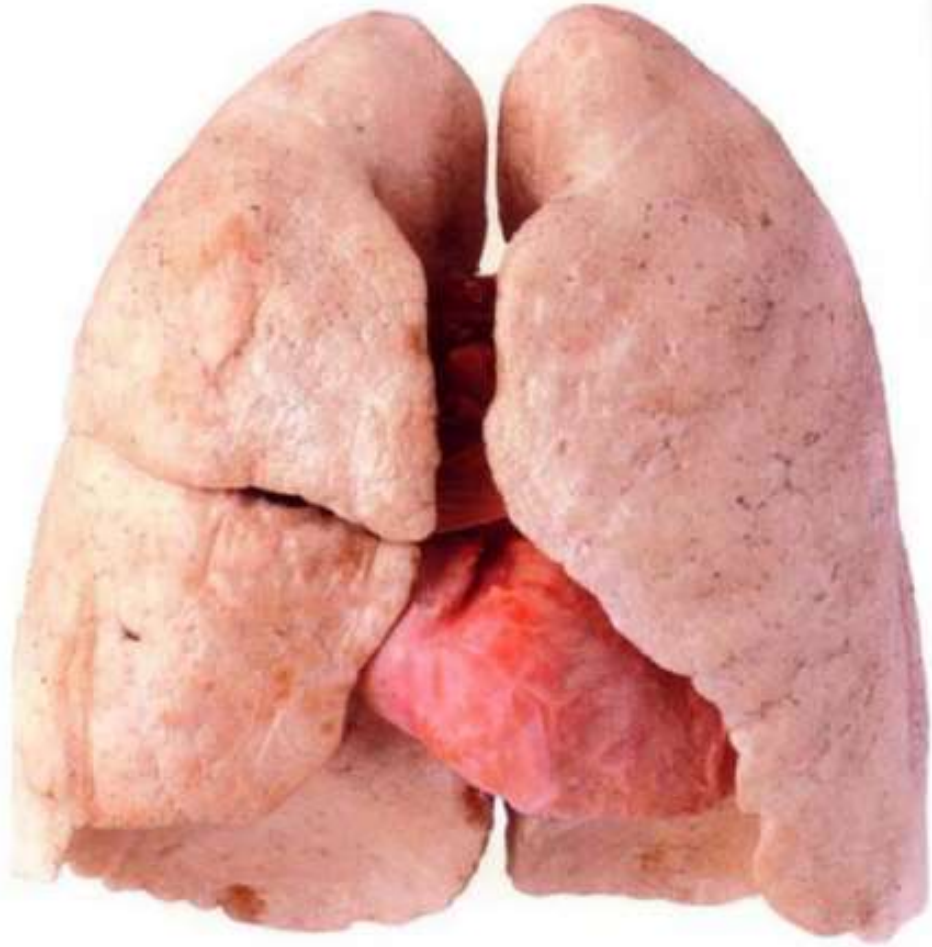




Warning! Possible gross picture ahead!



Nonsmoker vs. Smoker



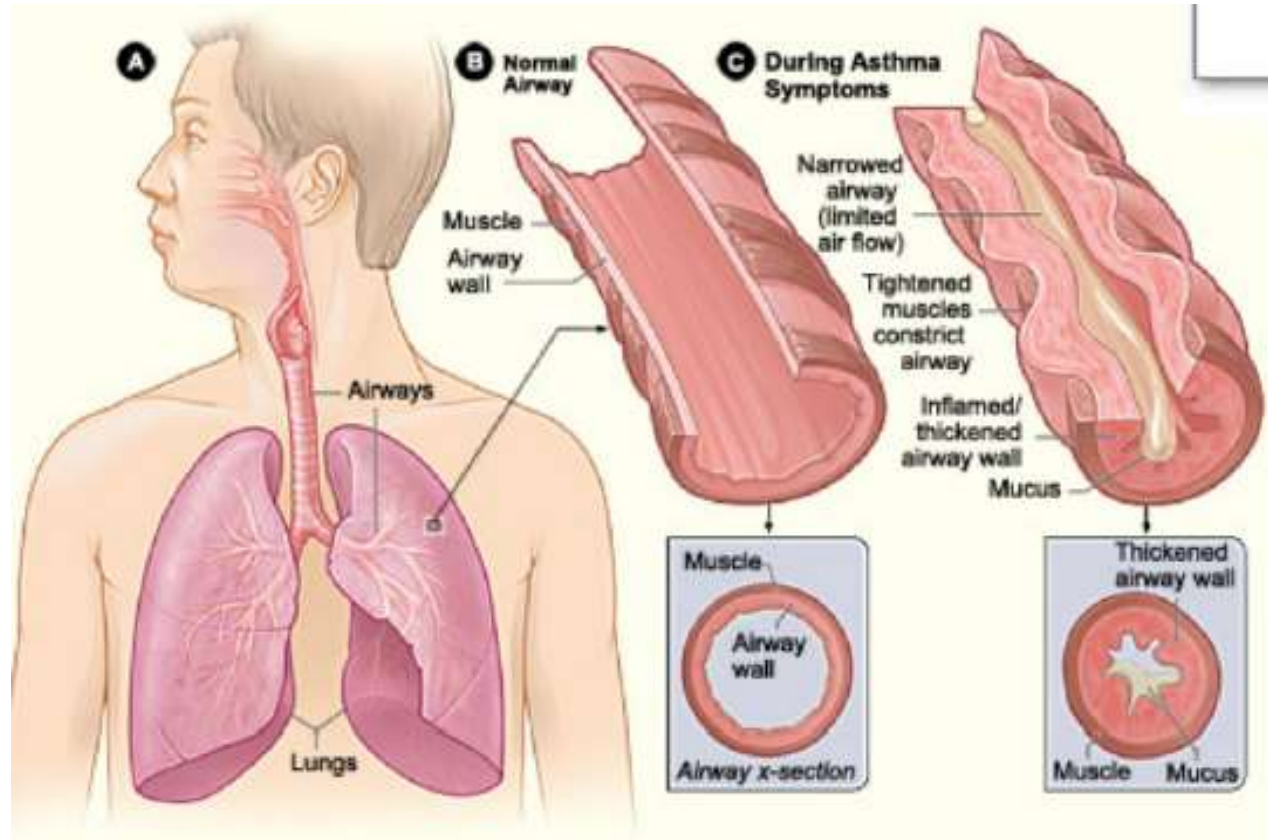
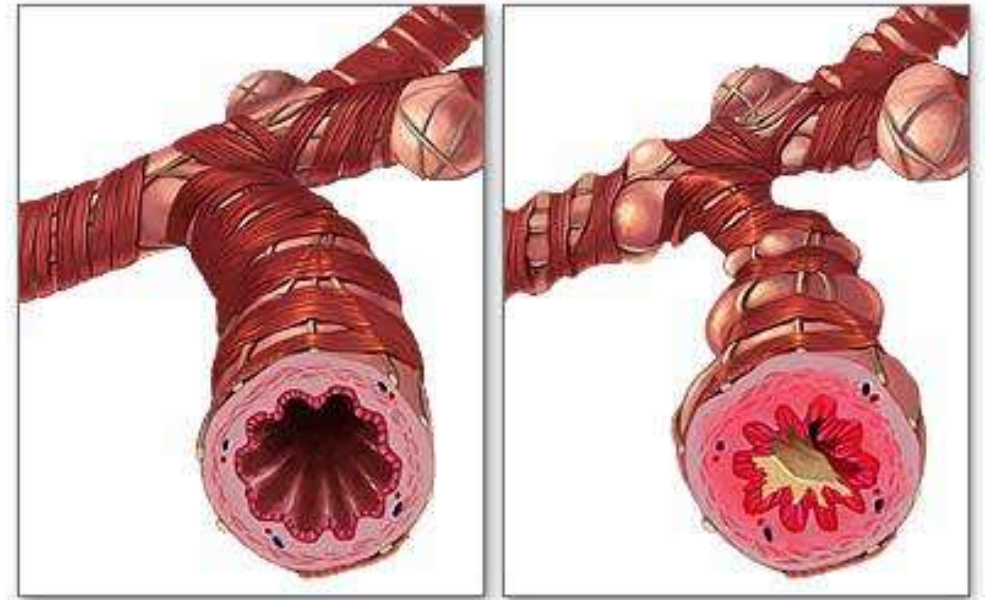
emphysema, lung cancer

Other respiratory diseases:

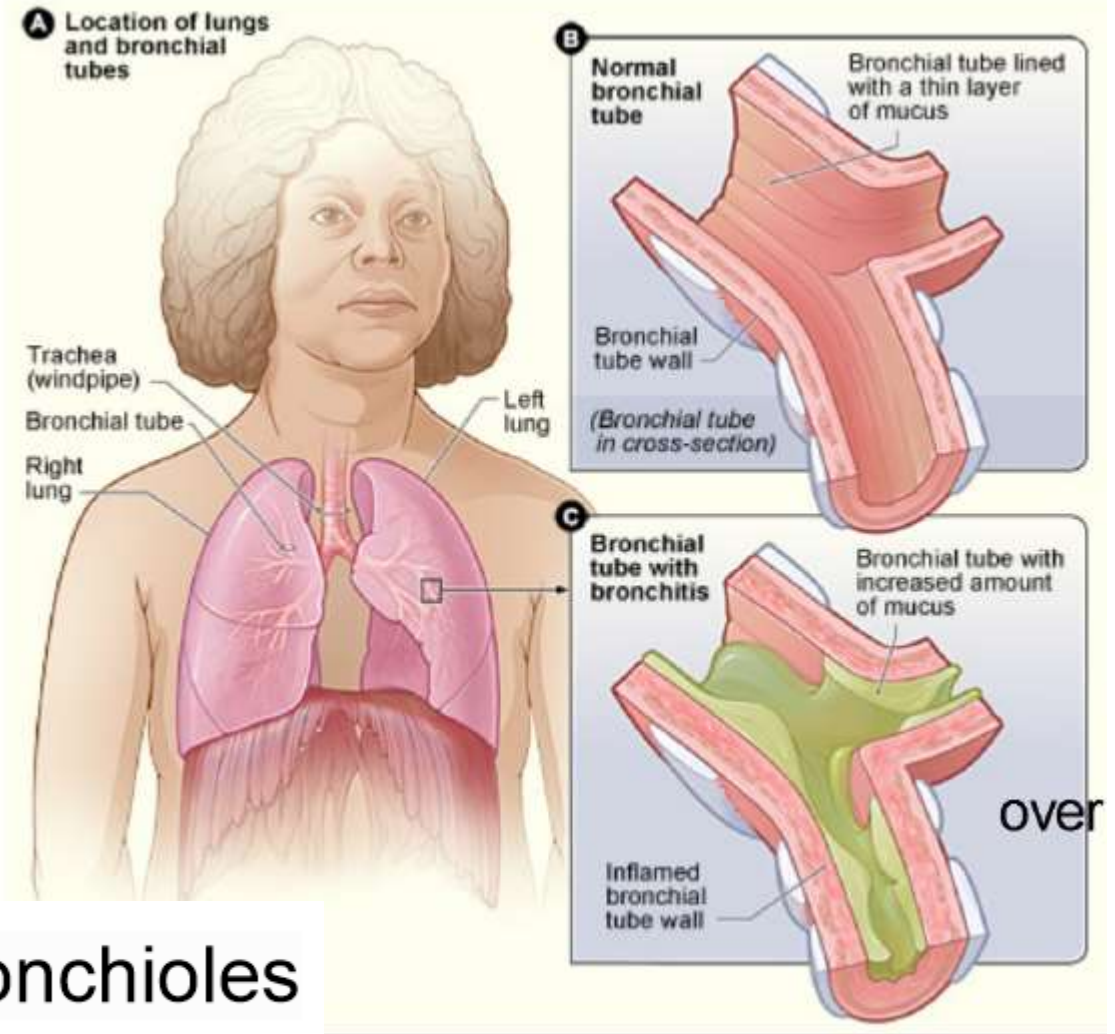
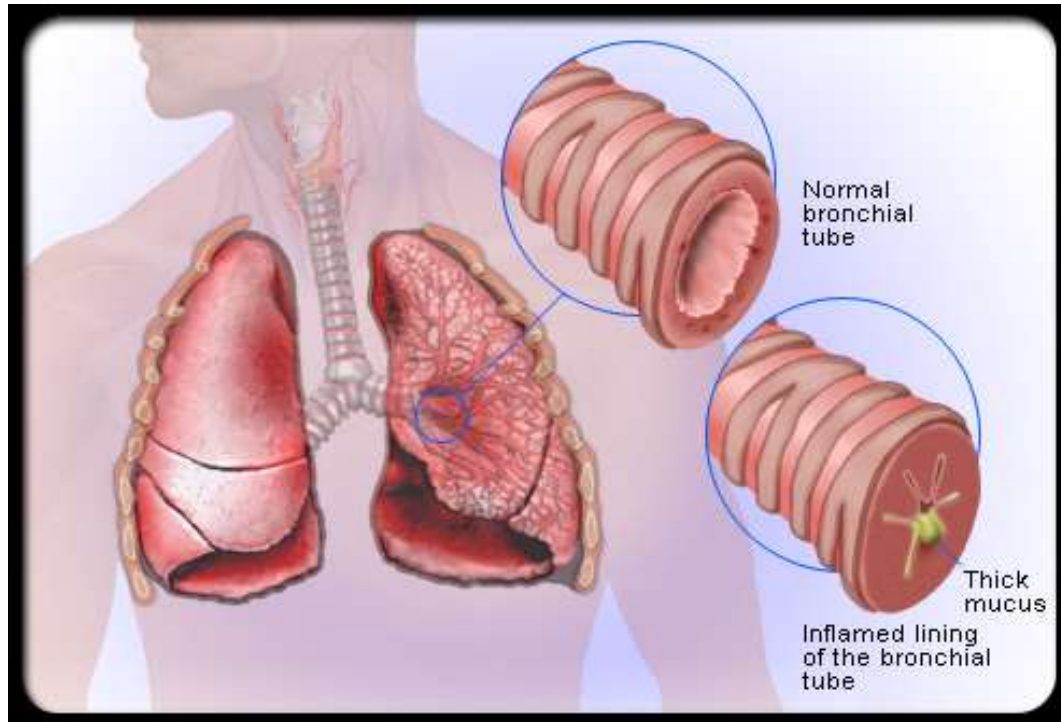
asthma= too much mucus

Normal bronchiole

Asthmatic bronchiole



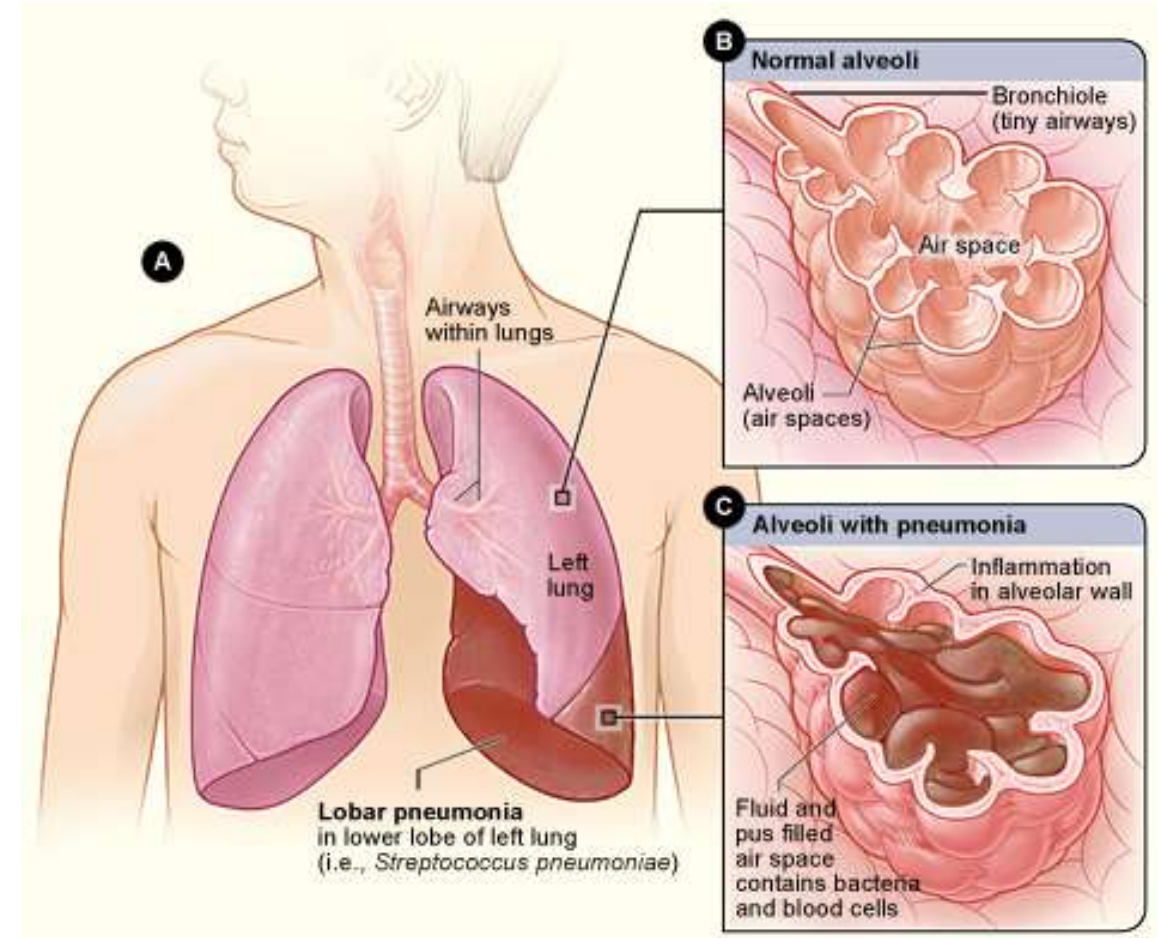
Other respiratory diseases: Over time, the cilia can be damaged



bronchitis= irritated lining of bronchioles

Other respiratory diseases:

pneumonia= bacteria/viruses inflame alveoli, fill with fluid, can cause suffocation





Body System	Job	Organs
Respiratory System		

Your turn...

Color and cut out the lungs and heart. Then glue them on your body cutout.

Please label the following on your body cutouts:

- trachea
- lungs
- bronchial tubes
- bronchioles
- heart