



Review for exam 3
by Ellie, Lucy and Malik

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- What are the functions of the paranasal sinuses?

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- The sinuses secrete mucus, lighten the skull and provide resonance for one's voice.

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- Smoking can cause an increase in mucus production and a decrease in cilia function.
 - Explain why this combination can be so detrimental to one's health?

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- Without the cilia, it becomes difficult to move the excess mucus superiorly to the pharynx where it can be swallowed.
 - Pathogens can accumulate in the mucus and chronic infections may result.

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- Why is the epithelium lining the nasopharynx different from the epithelium that lines the oropharynx and laryngopharynx?

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- Because the nasopharynx is not a passageway for food/drink and thus lacks the need for the protection provided by stratified squamous epithelium

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- What makes epiglottitis (inflammation of the epiglottis) an extremely dangerous condition?

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- It can cover the airway- and can be fatal.

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- If an individual were born with O-shaped tracheal cartilages, what activity would be quite difficult?

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- Swallowing-because the esophagus could not expand anteriorly when trying to accommodate a large bolus of food.

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- What two structures are involved in routing food and liquid away from the respiratory passages?

- Soft palate, uvula, and the epiglottis.

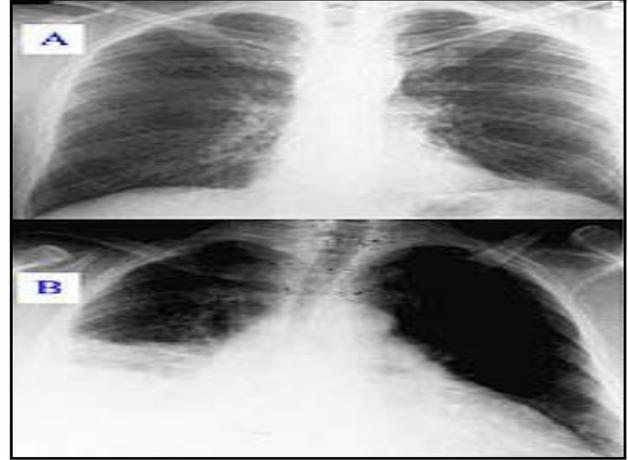
- Lois has obstruction of her right primary bronchus. How would this affect the carbon dioxide levels in her right pulmonary veins

- It would increase.

- Trace a single molecule of Oxygen from a naris to an alveolus.

- How to recognize a good xray?





- Check if the patient take a deep breath by
- looking at the position of the clavicles and scapulars
- The space between the ribs (anterior ribs)
- Cul of sac
- diaphragm

- What are the membrane around the lungs?

- pneumothorax



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- What are the main organ in the upper respiratory and lower respiratory track?
 - What are the paranasal structure?

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- The respiratory system is consist of: nose, pharynx, larynx, trachea, bronchi, lungs.
 - The upper resp. sys: nose, pharynx, and larynx, and associated structures.
 - The lower resp. sys: larynx, trachea, bronchi, lungs.
 - Paranasal structure are external nares, nasal cavity and septum, nasal conchae, nasal meatus.....

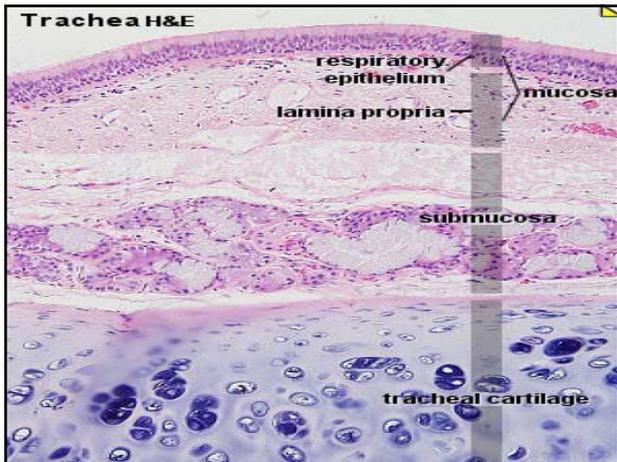
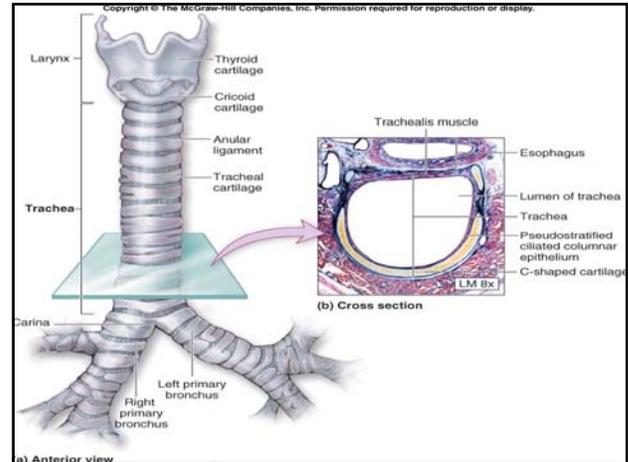
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- What are the function of the lungs?

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- Oxygen exchange
 - Voice production
 - Plasma ph regulation
 - Infection prevention
 - Old factory (sensation and smell)

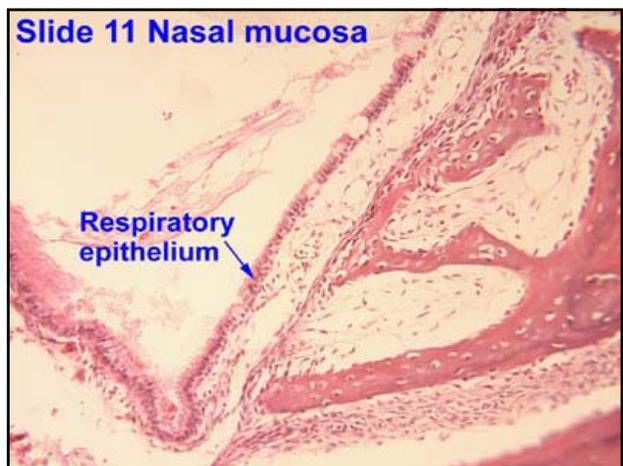
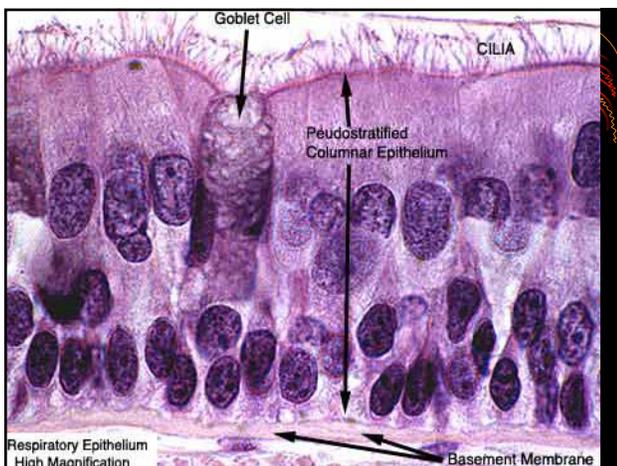
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- What are the side of gas exchange?

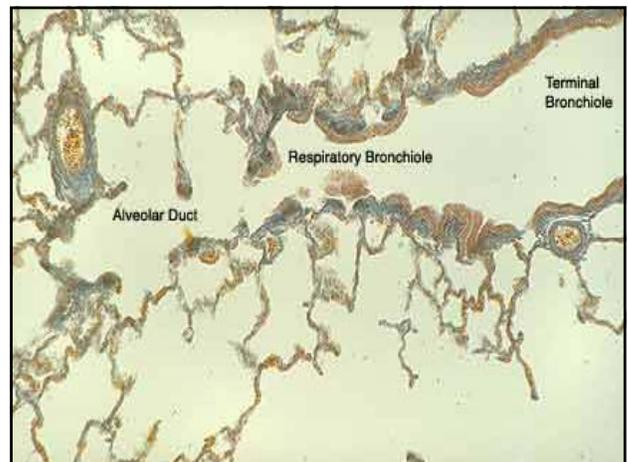
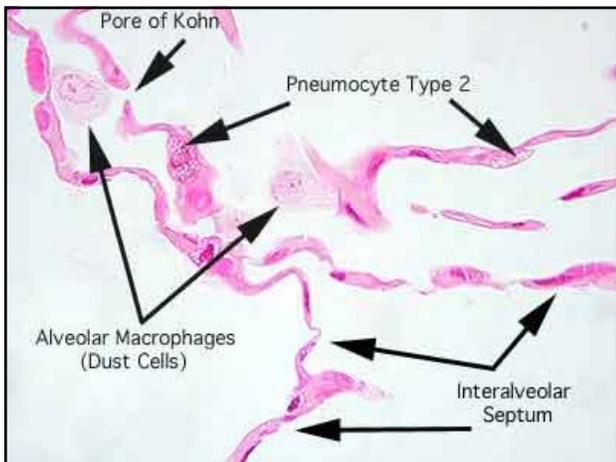
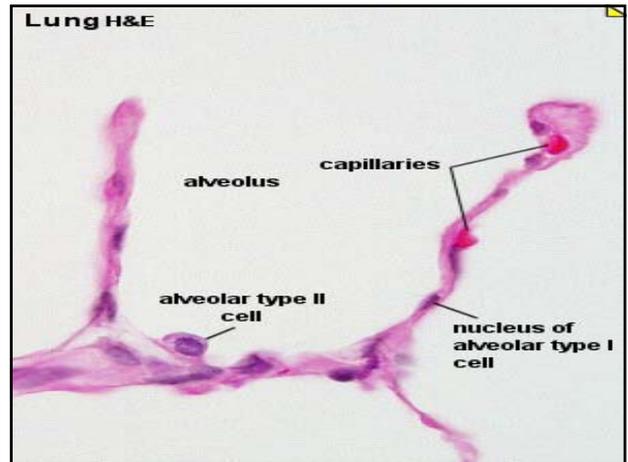
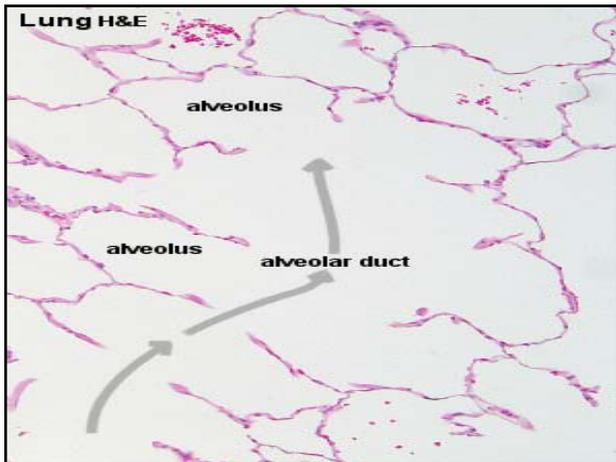
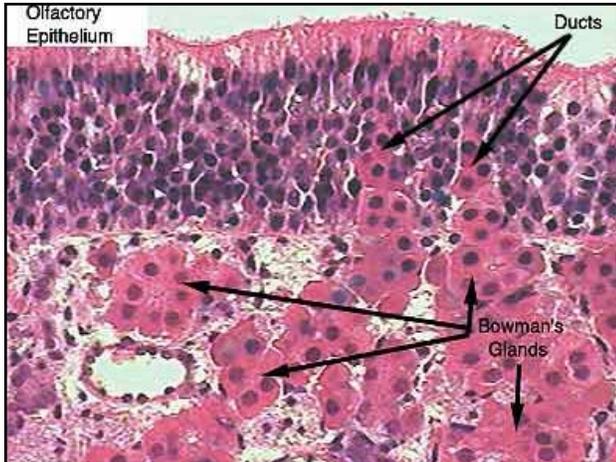
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- Bronchioles
 - Alveoli
 - Alveolar ducts

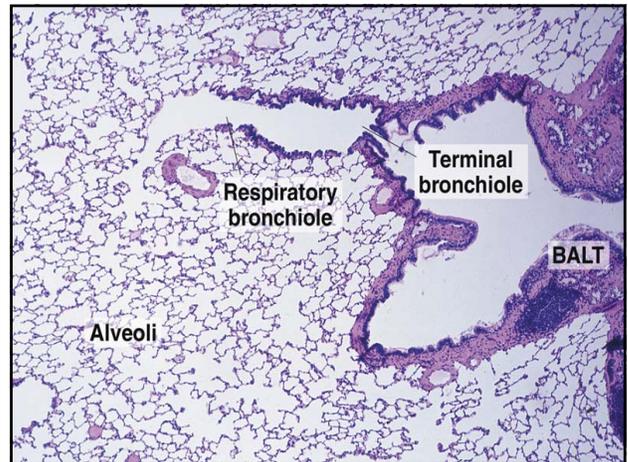
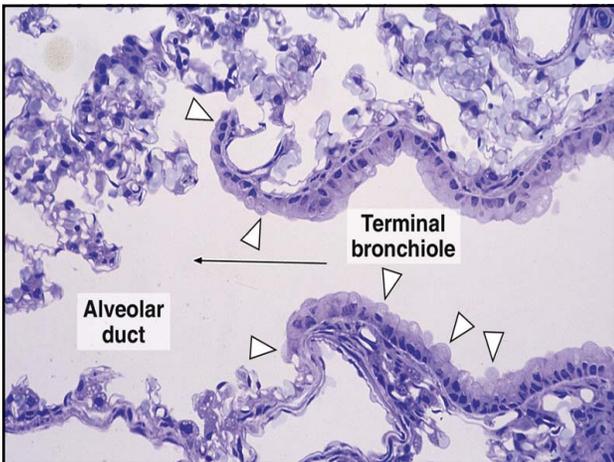
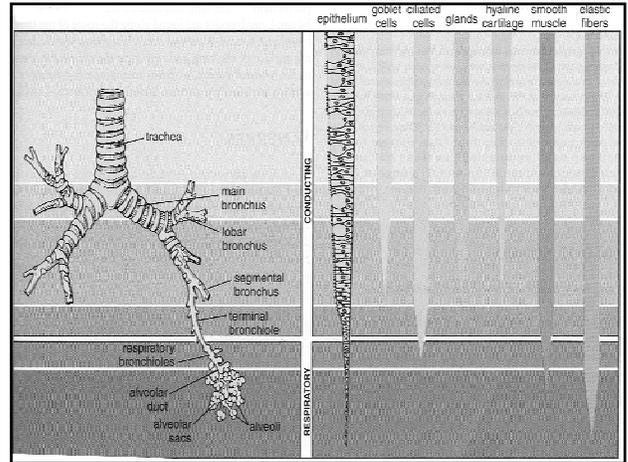
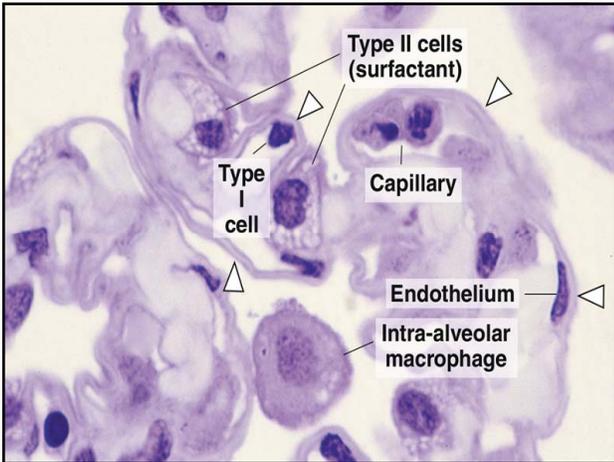
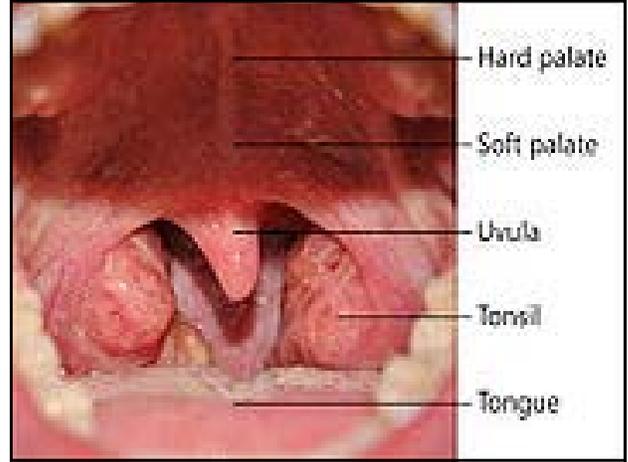
Nose
Pharynx
Trachea
Larynx
pleurae

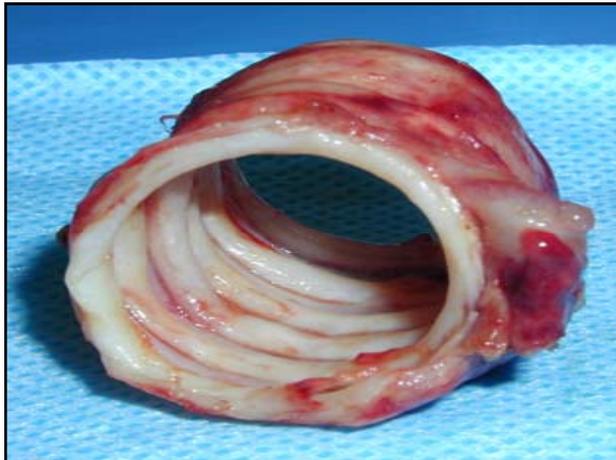
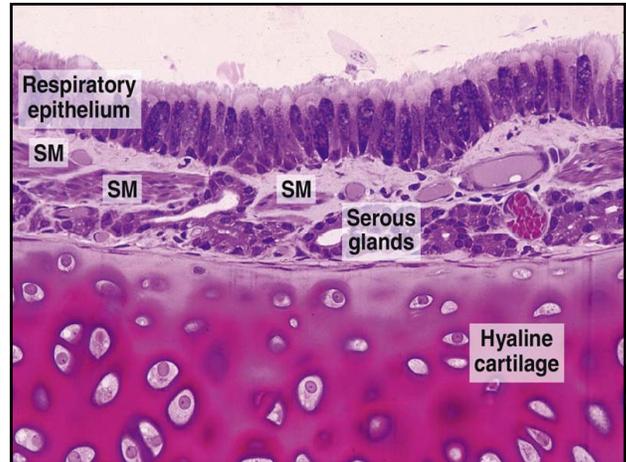
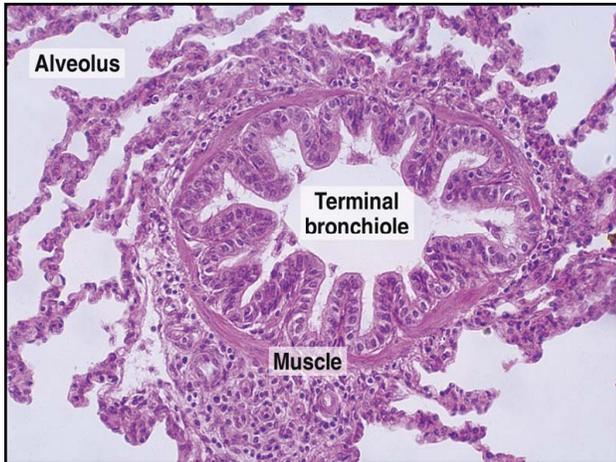


Recognize old factory from respiratory mucosa cells.

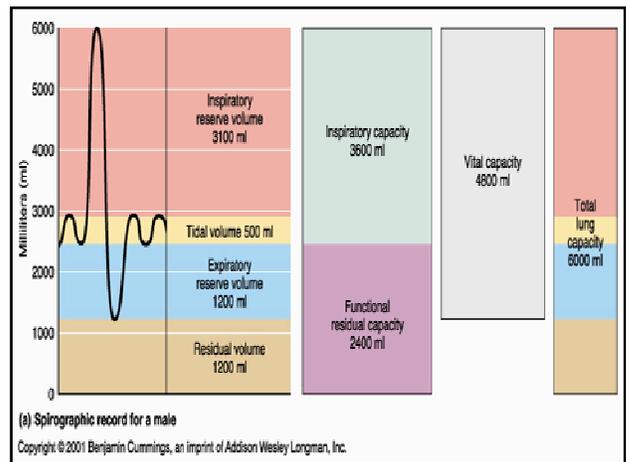


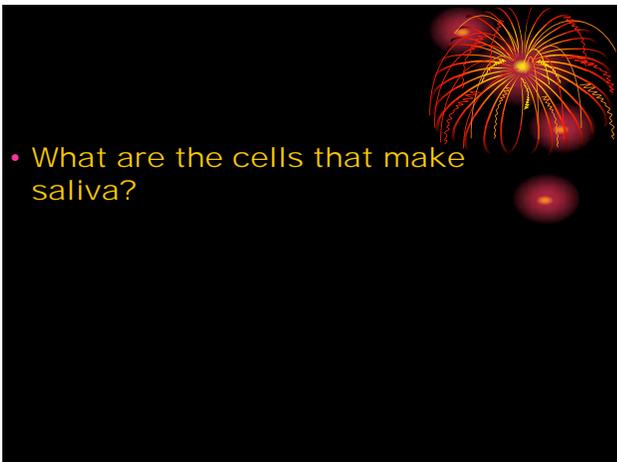






- What are the enzymes in the respiratory mucosa?





- What are the cells that make saliva?