Pulmonary Anatomy
1) Cells continually use and release
· Nostrils -> Pharynx -> Larynx live bionstyr (2) gio (2014)
Lower Respiratory Tract: (Below Vocal Cords)
** Larynx - Trachea -> Bronchi -> Lungs 3) What are the external nasal structures? **Skin** **Nasal bones* **Cartilage lined with mucos membrane* **Nares (Nostrils) 4) What are the internal nasal structures? **Roof = Made of Ethmoid* **Floor = Hard Ralate* **Internal nares (choanae) = Opening + Thepharynx **Nasal Septum* 5) What are the functions of the nasal structures (olfactory epithelium, pseudostratified ciliated columnar with goblet cells, and paranasal sinuses)? **Smell** **Mucous moistens air& traps dust* **Cilia Mores mucous towards pharynx* **Found in the maxilla Lightens the skull Resonates the voice
Shirkshoved
6) What are the three regions of the pharynx?
Nasopharynx Lynear the Lynear the larynx Nose What are the functions of the pharynx? Passage way for both food and air Resonating chamber for sound production Tonsils in the walls protect the entryway to the body
to the body

8) What tissue types make up the pharynx? Skeletal tissue & Mucous Membrane 9) What are the 5 cartilages found in the larynx? Cardiovescular 1 Thyroid Cartilage Nones (2) Epiglottis 3 @ Cricoid Cartilage has vood Harry Vyolovigas 1 voggl 485 Pair (2) Arytenoid Cartilages CHANGED GARAGE 10) What is the function of the epiglottis? · Moves upward when swallowing to prevent food/water from entering the lungs Bends to cover the glottis
11) What do the vocal cords attach to? · Carriago lined with mittes membrane Arytenoid Cartilage 12) What are the 3 layers of the trachea? What cells/tissues are associated with each one? Mucosa Submucosa Hyaline Cartilage · Loose connective tissue · Aspudostratified columnar : Incomplete Rings & seromucous glands with cilia & goblet · Allows for flexibility cells while staying open reluced which win swant " 13) What is the bronchial tree in order? acous moistons and traps dust Trachea - Primary - Secondary Bronchi - Tertary - Bronchioles The sall enote Bronchi Bronchi Resonates the volla Terminal Bromchioles 14) What type of tissue is the bronchial tree made of? Jasepharyny Cartilage Oropharynx 15) Epithelium changes from pseudostratified ciliated columnar cells to non-ciliated simple cuboidal cells as pass deeper into lungs. we have held they got vace someon!

Resembling chamber for sound evaluation

· Toreste in the walls protect the entryuny to the body

16) The trachea has incomplete rings of cartilage that are replaced by rings of
Smooth muscle and connective tissue as we follow the bronchial
tree deeper into the lungs. The sympathetic NS and adrena
glands release epinephrine that relaxes the smooth muscle, resulting in
diction of the airways.
17) What are the pleural cavity, visceral pleura, and parietal pleura?
Space between Covers lines vibrage & covers unger
Space between Covers Lines ribcage & covers upper ribs & lungs the lungs surface of diaphragm (membrane) (membrane)
(membrane) (membrane)
18) How many lobes does each lung have? Why?
Right: 3
Left: 2 = One less because of the heart
19) Why do capillaries wrap around the alveolar sacs?
Gasses are exchanged between the blood supply and the
air in the data alveolar sacs
20) The alveolar manner is very thin this allows for ans
20) The alveolar <u>membrane</u> is very thin, this allows for <u>gas</u> <u>exchange</u> . Inside the alveoli there are <u>monocytes</u> and <u>macrophages</u> .
Review
How do concentration gradients work?
High Concentration -> Low Concentration
High Partial Pressure -> Low Partial Pressure
Mile to the town of diffusion?
What are the types of diffusion?
Simple & facilitated [Active Transport]
Looking Ahead
Respiration is <u>as exchange</u> .
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