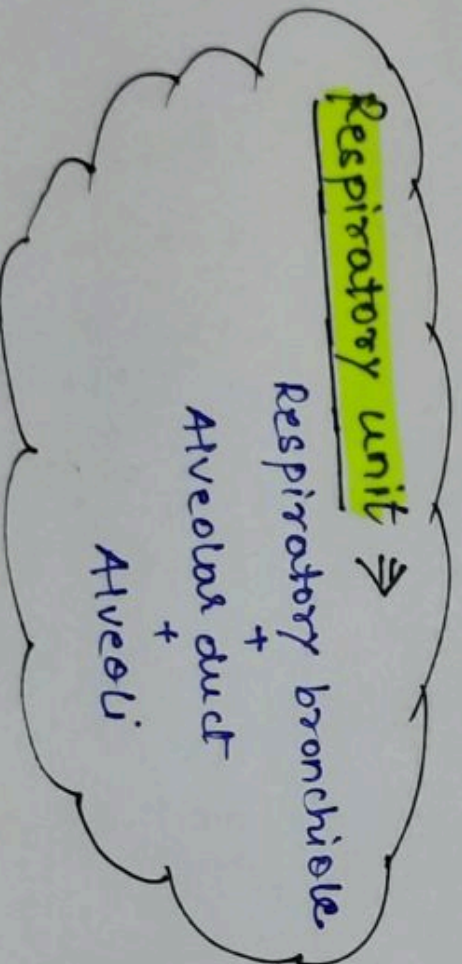
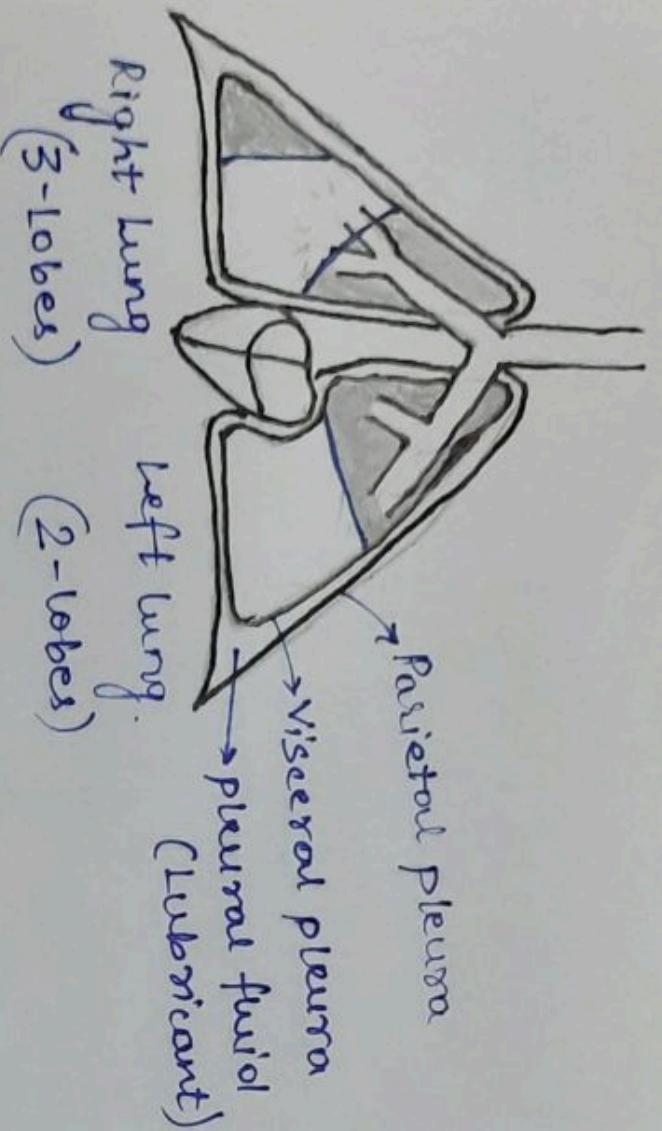
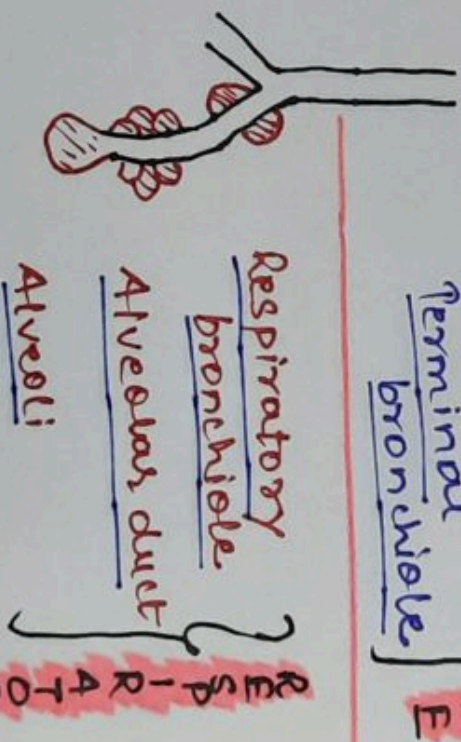
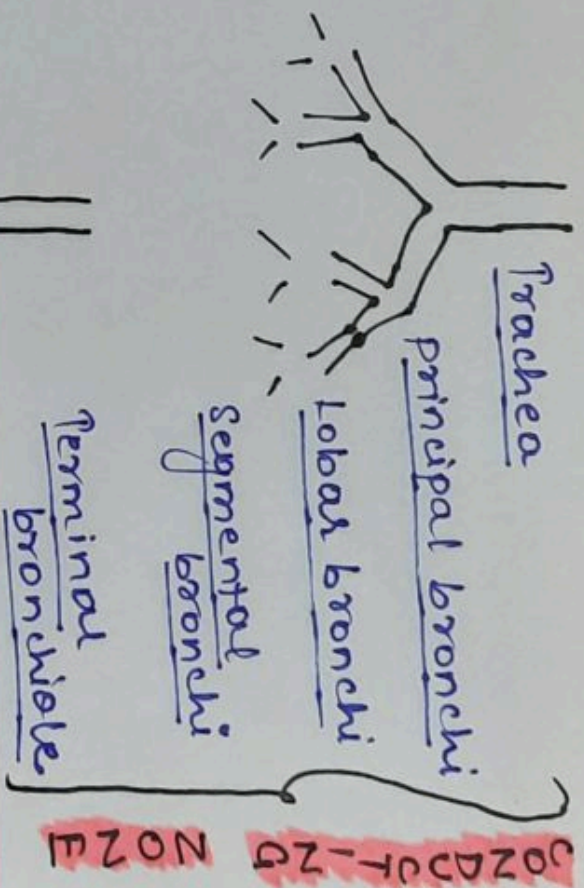
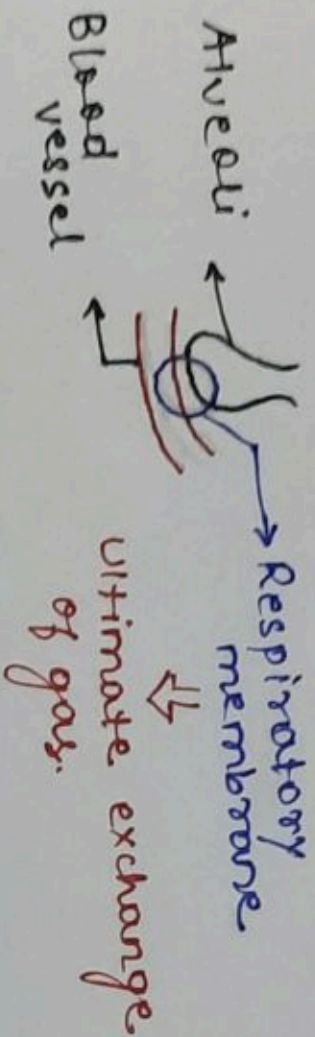


Bronchial tree

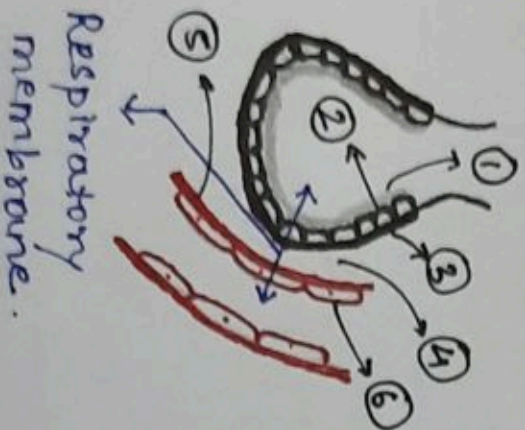


Respiratory membrane :-



Includes :-

- ① - Surfactant
- ② - Alveolar Epith.
- ③ - Epithelial BM
- ④ - Interstitial space
- ⑤ - capillary BM
- ⑥ - capillary endothelium

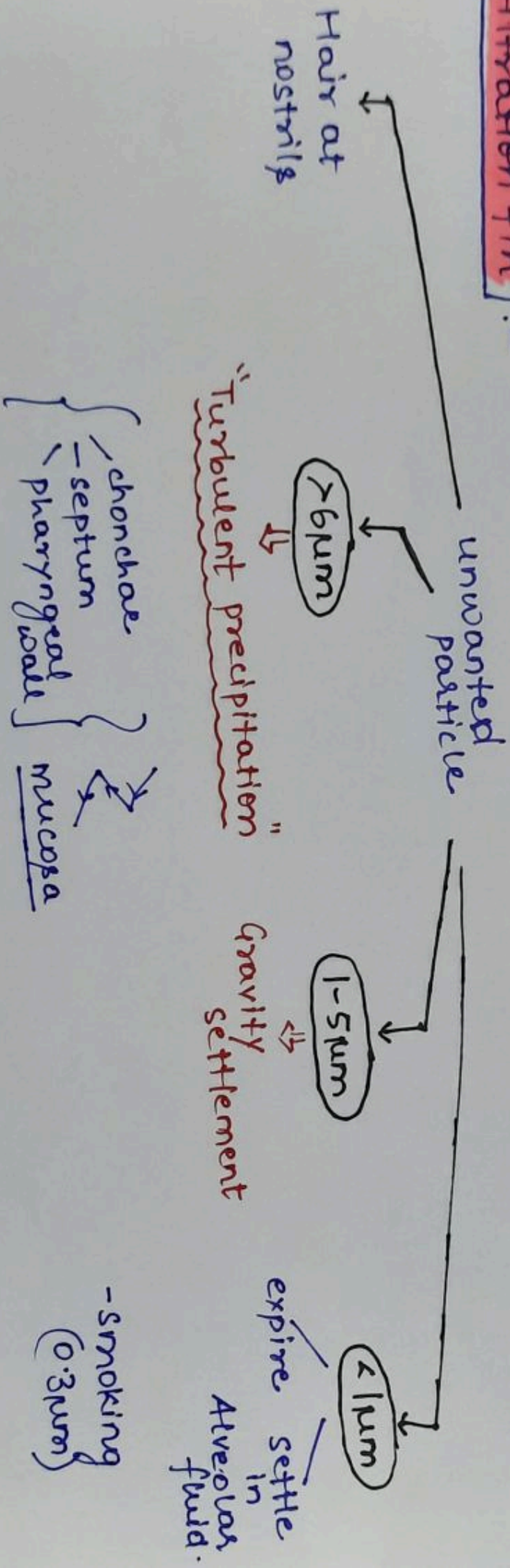


Respiratory memb:
↓
Thickness
= 0.6 μ m
Total surface area
= 70 m^2

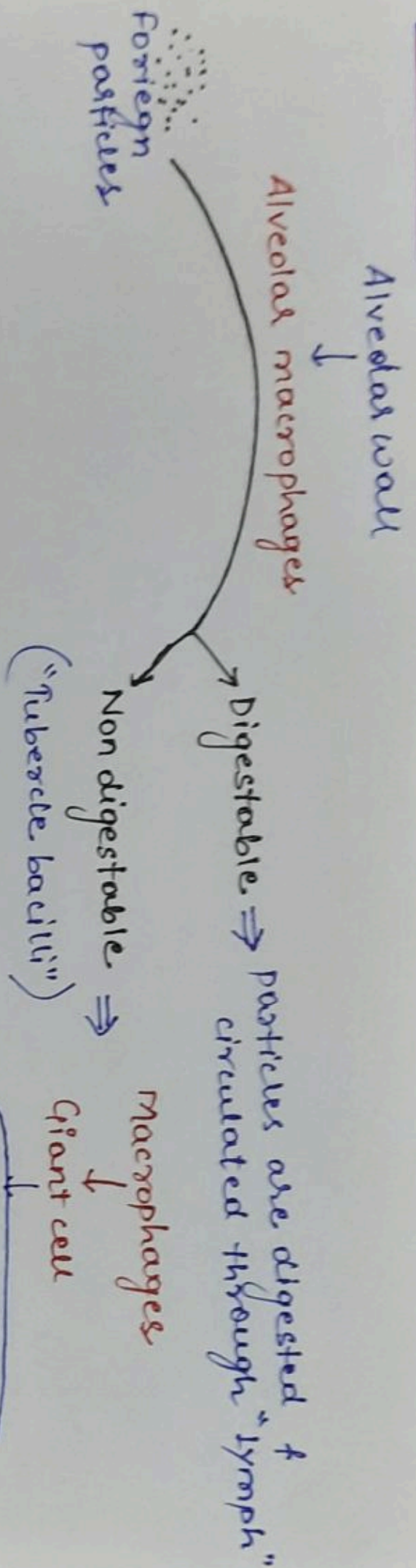
Non-Respiratory functions of Lungs :-

- ① Filtration function
- ② Immune f/n
- ③ Metabolic f/n
- ④ phonation
- ⑤ Acid-Base Balance

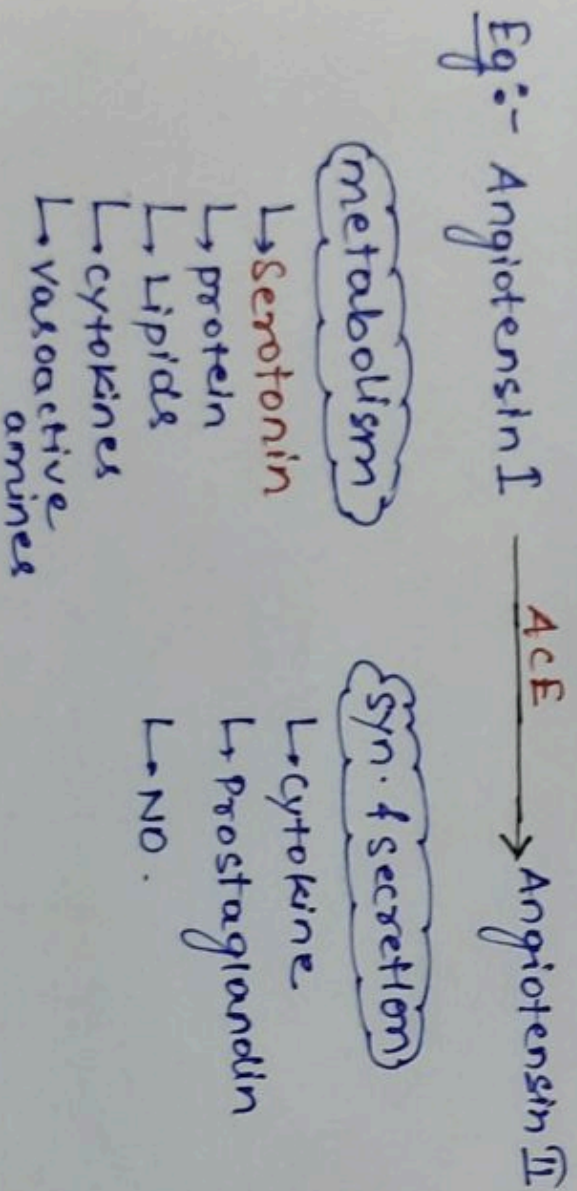
① Filtration f/n :-



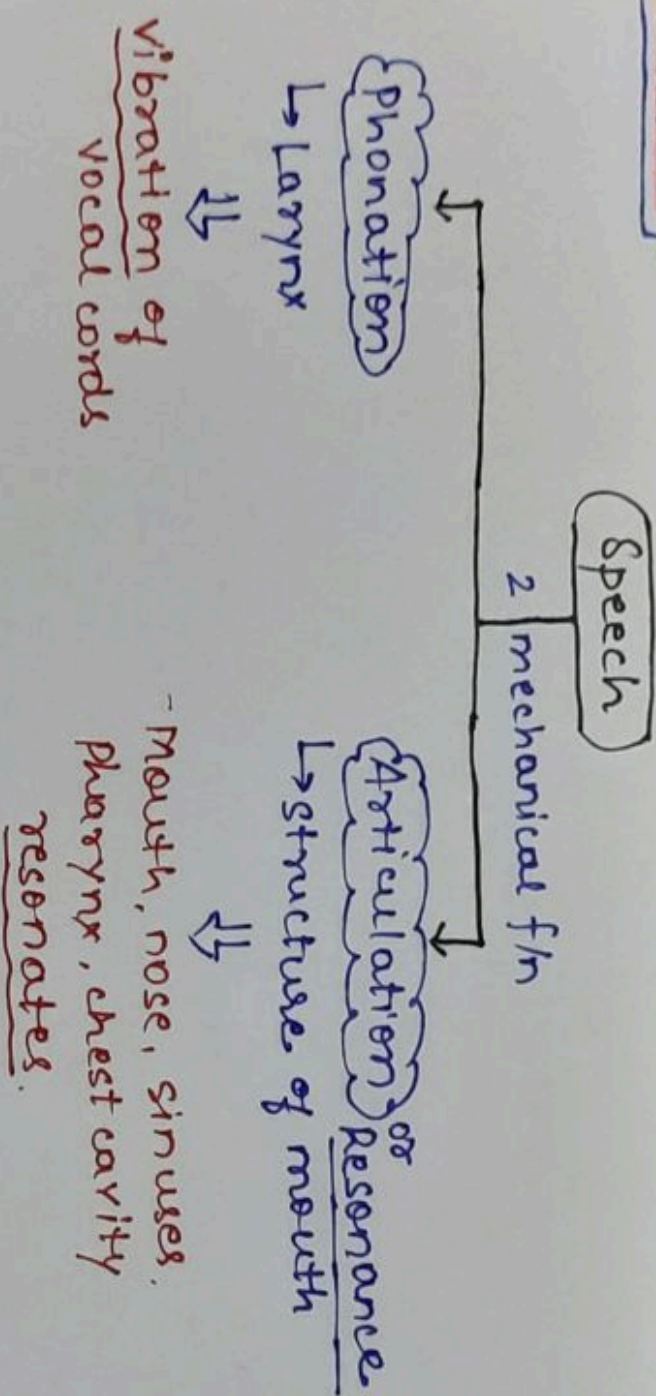
② Immune f/n :-



③ Metabolic f/n :-



④ Phonation :-



⑤ Acid-Base Balance :-

- ✓ Elimination of CO_2 from body
- ✓ $\text{CO}_2 \uparrow / \downarrow$ } chemoreceptors $\Rightarrow$ Respiratory rate change
 - $\text{O}_2 \uparrow / \downarrow$
 - Neural regulation of respiration
 - Chemical regulation of respiration.

