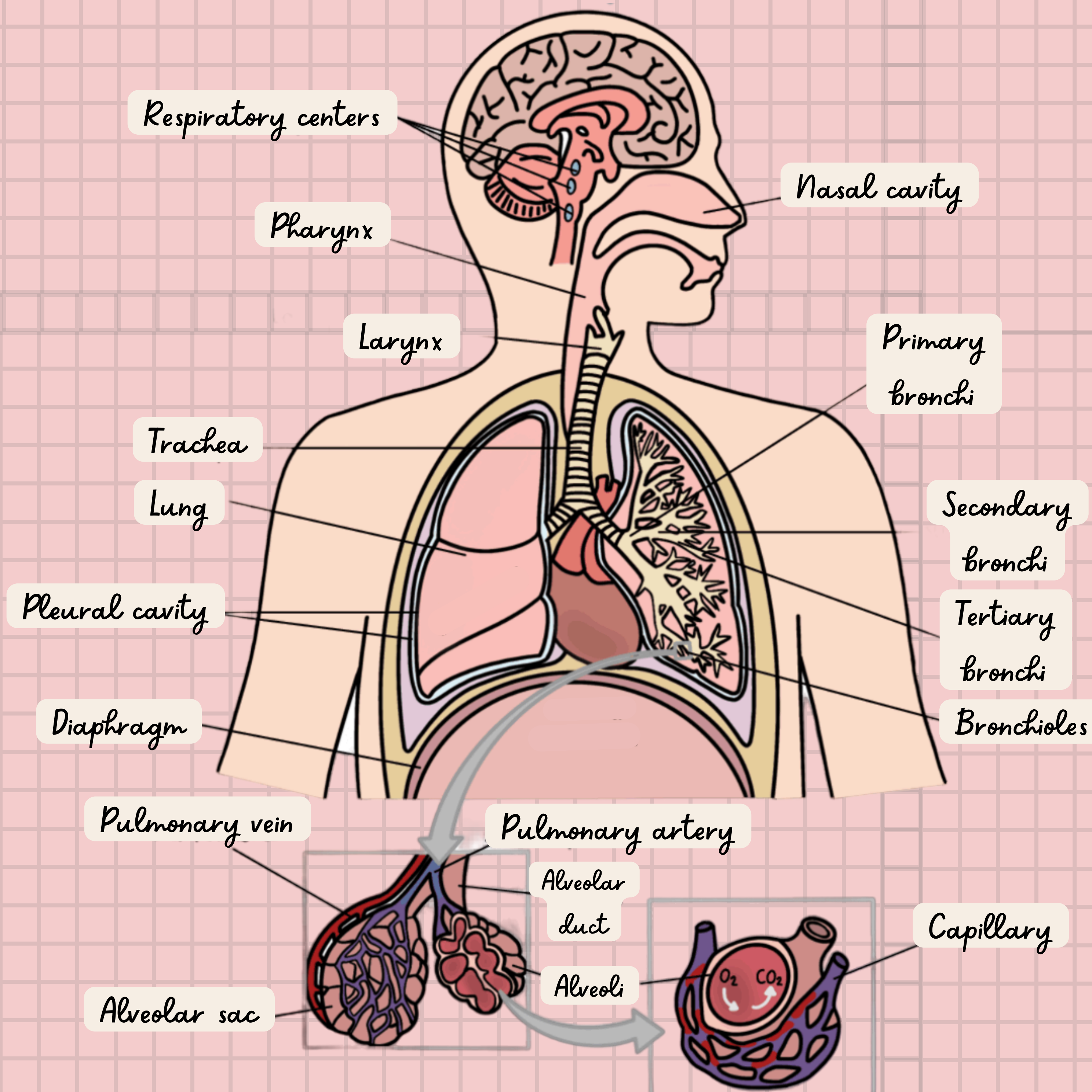


Respiratory system

The main function of the respiratory system is to provide oxygen to the body and its cells and to expel CO₂.



Natacha. www.udocz.com.

Other functions:

- Clean
- Humidifies
- They heat the air
- Filter for blood
- Participates in hemostatic mechanisms
- Acid base equilibrium

- 2 organs = LUNGS
- Airways: ducts through which air circulates
 - Upper airways
 - Nostrils
 - Pharynx
 - Larynx
 - Lower airways
 - Trachea
 - Bronchi
 - Bronchioles
- Alveolar surface: where gas exchange takes place.

Physiology of the apparatus respiratory

- Ventilation: process of entry and exit of air
 - Exterior → airways → alveoli
- Hematosis: exchange of gases
- Transport: transport of gases, thanks to the vascular system.
 - 97% of oxygen transported
 - 3% of oxygen circulates dissolved
- Cell respiration: metabolic reactions in which cells use O₂ to oxidize nutrients and obtain energy, forming CO₂.