

Republic of Iraq Ministry of Higher
Education and Scientific Research
Al-Zahraa University for Women
College of Pharmacy



Human Anatomy
second semester/ Lab.3
The Respiratory System

By:

Asst. Lec. Nabaa Faiz Abbas

What is Human Respiration System?

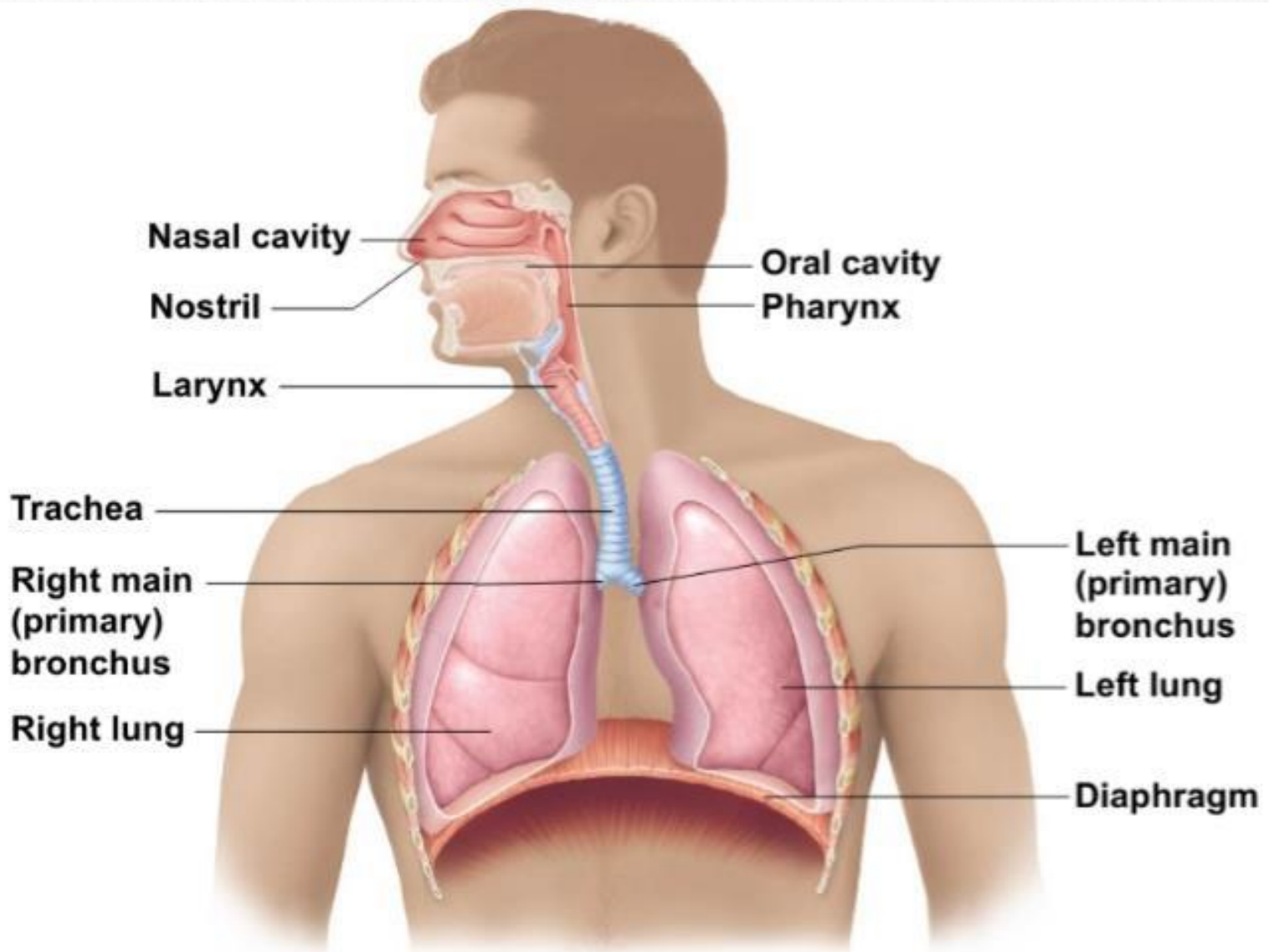
- The human respiratory system allows one to obtain oxygen, eliminate carbon dioxide.
- Breathing consists of two phases, **inspiration** and **expiration**
- Inspiration-the process of taking in air
- Expiration-the process of blowing out air

What Functions of the Respiratory System?

- Air Distributor Passage ways to the lungs purify
- Gas exchanger between the blood and external
- Filters, warms, and humidifies air
- Influences speech, Allows for sense of smell

What Organs of the Respiratory System?

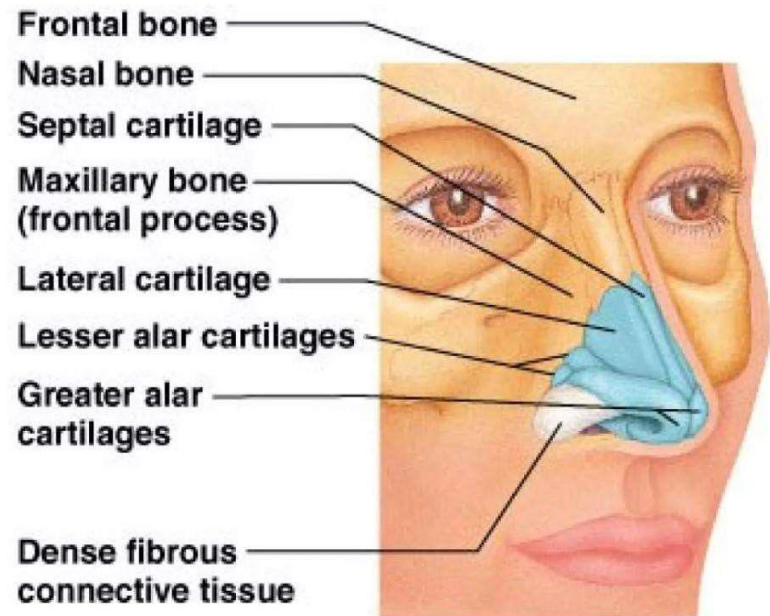
- Nose
- Pharynx
- Larynx
- Trachea
- Bronchi
- Lungs-alveoli



Nose :

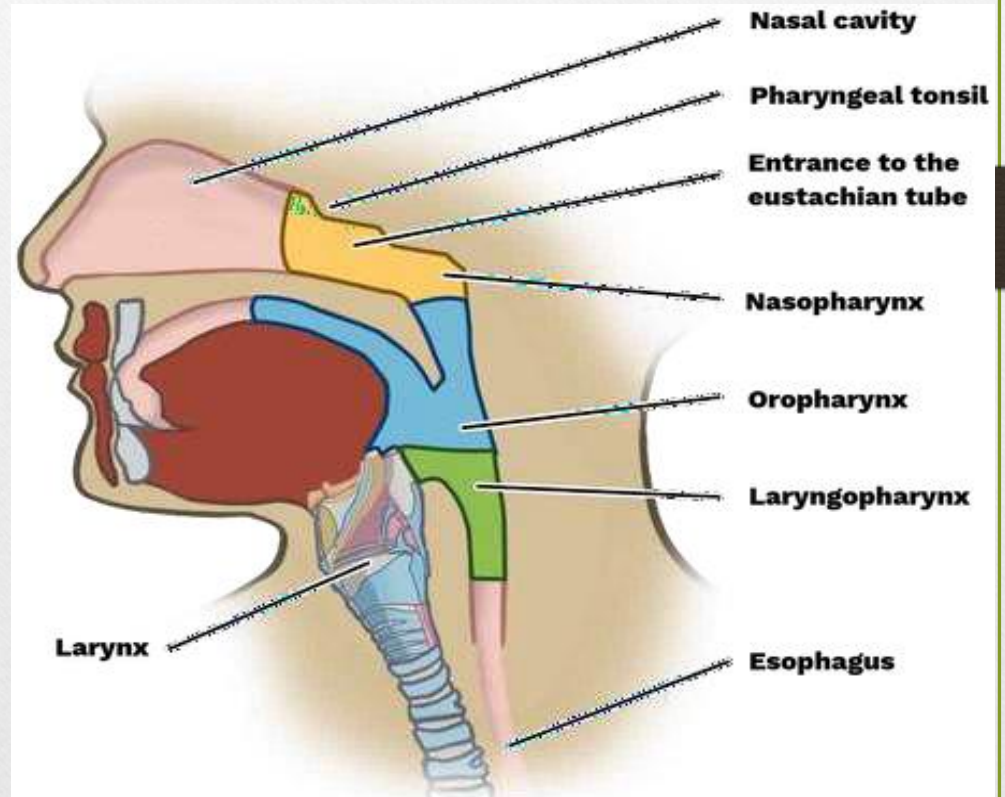
is part of your upper respiratory system, It allows air to enter your body ,It provides air for respiration, serves the sense of smell, conditions the air by filtering, warming, and moistening it, and cleans itself of foreign debris extracted from inhalations.

Structure of the Nose



Pharynx(throat):

is a muscular tube in the middle of your neck. It helps you to breathe and digest food. You can protect your pharynx by not smoking and avoiding infection.



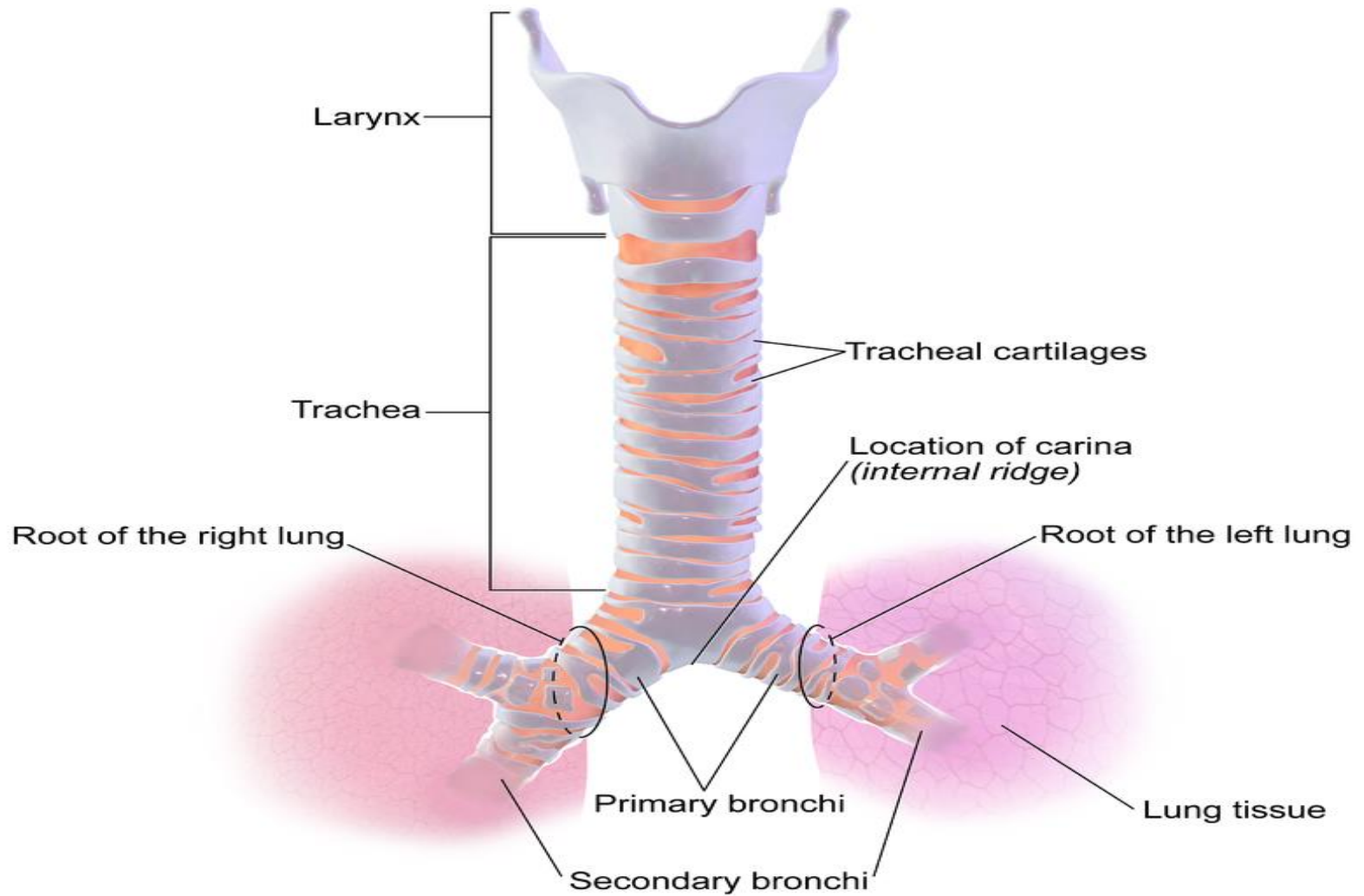
Larynx

is a cartilaginous segment of the respiratory tract located in the anterior aspect of the neck. The primary function of the larynx in humans and other vertebrates is to protect the lower respiratory tract from aspirating food into the trachea while breathing.

Trachea

is a midline structure and lies just anterior the esophagus. After it originates from the larynx, the trachea divides into the left and right mainstem bronchi.

Anatomy of the Trachea



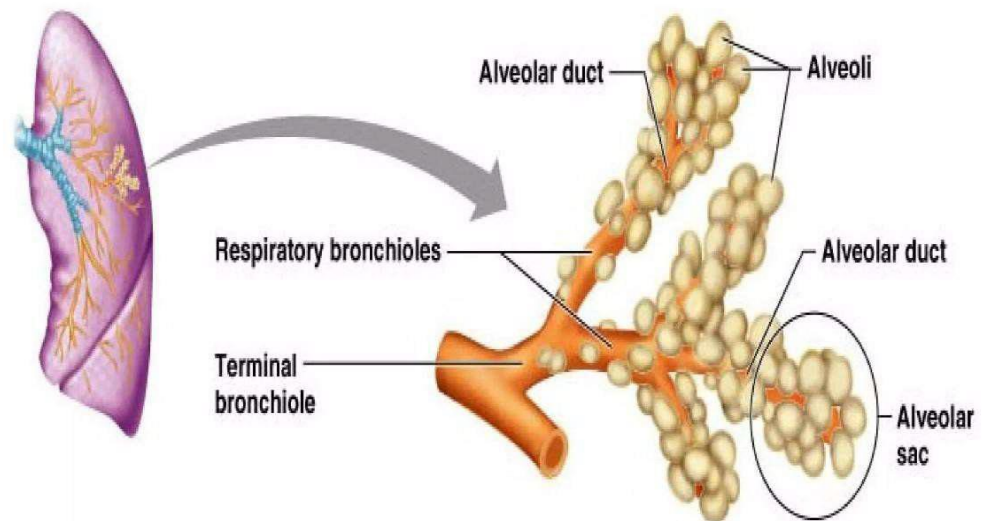
Bronchi

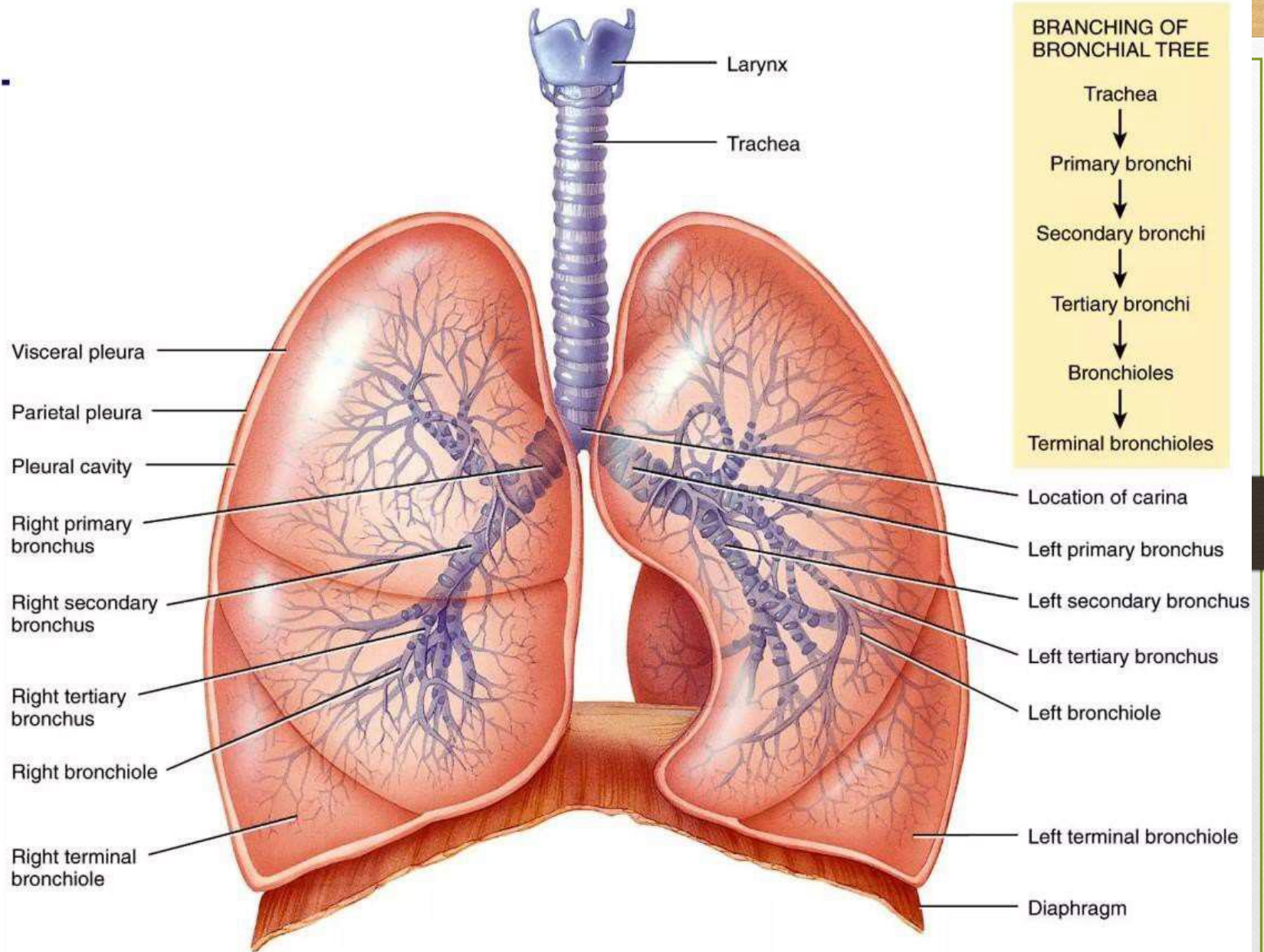
is a passage or airway in the lower respiratory tract that conducts air into the lungs.

Lungs

are the major organs of the respiratory system, and are divided into sections, or lobes. The right lung has three lobes and is slightly larger than the left lung, which has two lobes.

Respiratory Zone







THANK YOU

Nabaa Faiz Abbas