

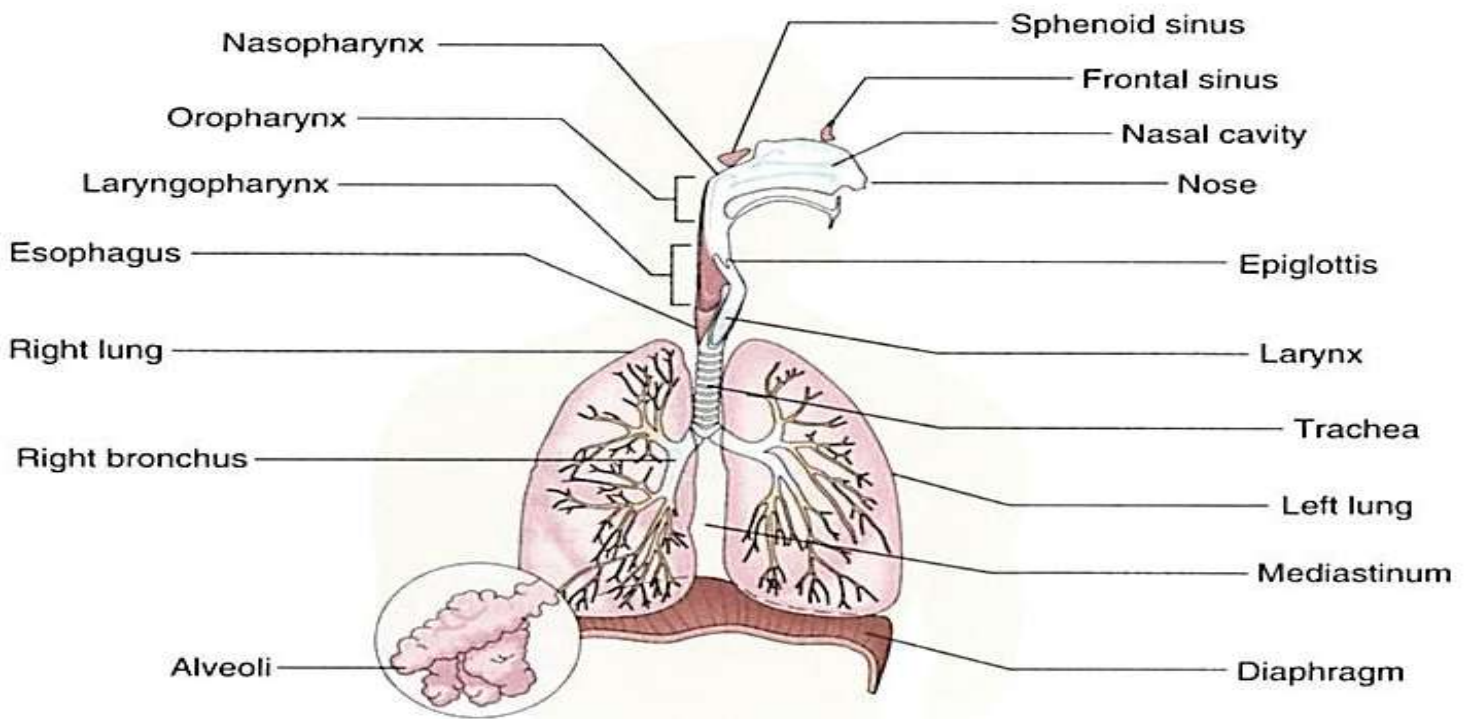
The Respiratory System

FUNCTIONS:

- 1.
- 2.
- 3.

STRUCTURES

The respiratory system is categorized into 2 regions: the _____ and _____ tracts.

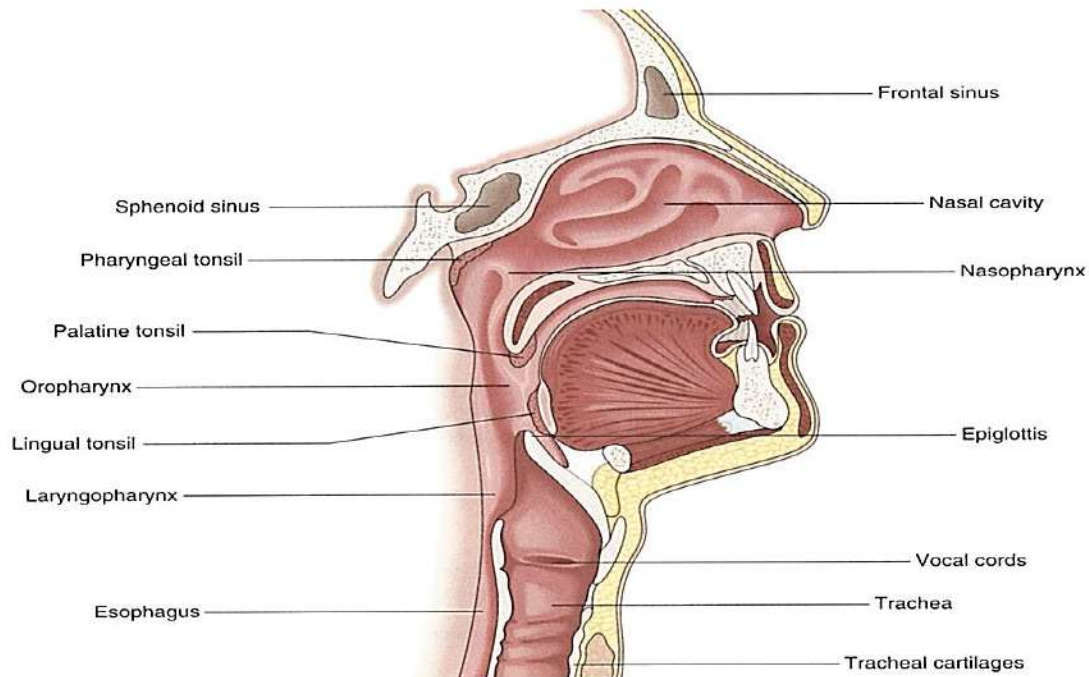


A. Upper Tract

a. Nose

- Nasal cavity-
- Septum-
- Mucous membrane- layer of thin tissue that lines the nose and entire respiratory system
- Mucus-
- Cilia-
- Olfactory receptors-

The Respiratory System



b. Tonsils-

c. **Sinuses-** An air-filled cavity within a bone that is lined with mucous. They affect:

i. Paranasal sinuses:

Table 7.1

PARANASAL SINUSES

Maxillary sinuses (**MACK-sih-ler-ee**), located in the maxillary bones, are the largest of the paranasal sinuses.

The **ethmoid sinuses** (**ETH-moid**), located in the ethmoid bones, are irregularly shaped air cells that are separated from the orbital (eye) cavity only by a thin layer of bone.

Frontal sinuses are located in the frontal bone just above the eyebrows.

The **sphenoid sinuses** (**SFEE-noid**), located in the sphenoid bone, are close to the optic nerves. An infection here can damage vision.

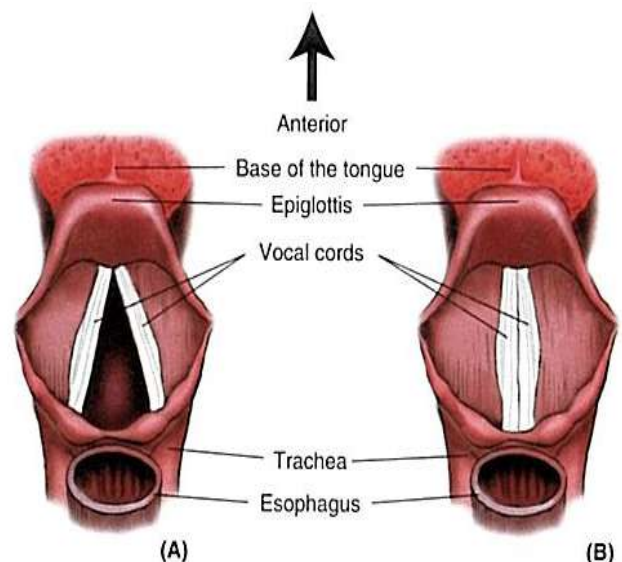
d. Pharynx= THROAT.

e. Divided into three divisions known as:

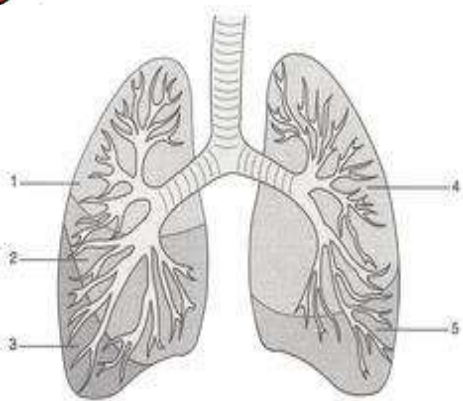
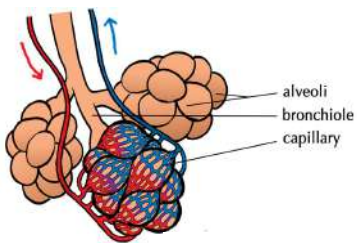
- i. Nasopharynx:
- ii. Oropharynx:
- iii. Laryngopharynx:

f. Protective Swallowing Mechanisms:

Epiglottis- A flap that closes off the larynx when

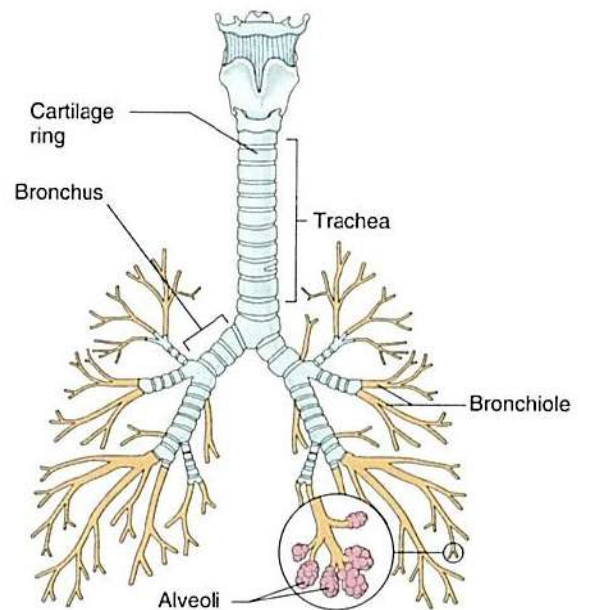


The Respiratory System



C.

Ac



B. Lower Tract

a. Bronchial Trees - the lower, two divisions of the _____.

i. Insert into the:

ii. Bronchioles-

b. Alveoli:

c. Lungs: Consists of **2 divided lobes** (R/L). Label sections:

The Respiratory System

a. Mediastinum/Interpleural space-

b. Pleura- A _____ that surrounds each lung with blood vessels. 3 layers:

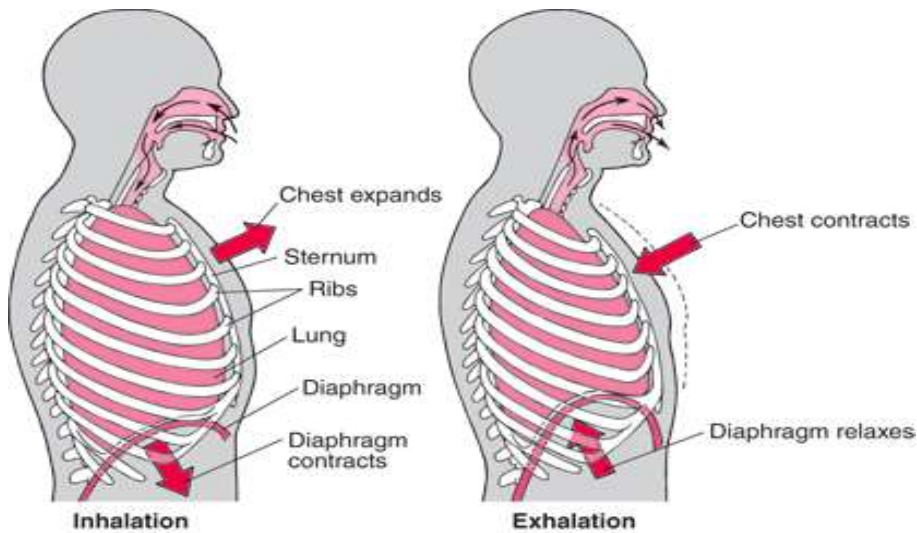
i. Parietal pleura-

ii. visceral pleura-

iii. pleural space/pleural cavity-

c. Diaphragm- A MUSCLE that makes _____ possible!

The **phrenic nerve controls diaphragm contraction*



RESPIRATION

Respiration:

External respiration-

VS.

Internal respiration-

Other Key Terms to Respiration:

The Respiratory System

- Breathing:
- Inhalation:
- Exhalation: