

Parts Of The Respiratory System

Respiration is the process of breathing in and breathing out. In this process of inhalation and exhalation, we inhale oxygen and exhale carbon dioxide.

The respiratory system is a complex system in human beings. It is composed of the airways, lungs, and muscles and facilitates blood supply.

The following are the main components of a human respiratory system:

■ Nose

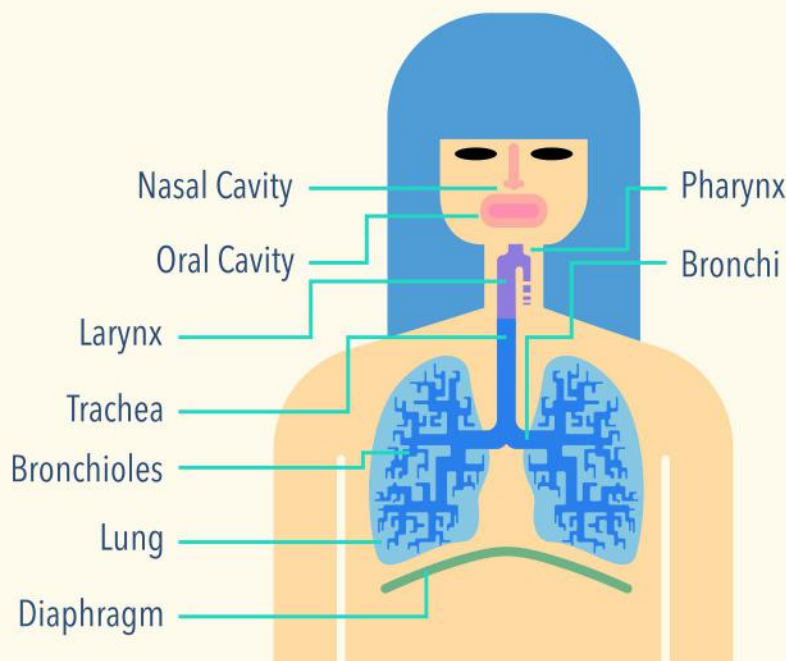
The nose is the organ where the process of respiration starts. It has two nostrils that help us inhale and exhale air. Besides, it also helps in filtering air and dust owing to the presence of hair and mucus in the nose. It also helps in warming and humidifying the inhaled air.

■ Trachea (Windpipe)

The trachea is the tube that helps in transporting the air from the nose to the lungs.

■ Bronchi

The trachea consists of two tubes called bronchial tubes. Each of these enters into one lung on each side and branches off into small tiny tubules called bronchioles.



■ Lungs

There are two lungs in the human body. They look like soft conical sacs. They help in taking the oxygen in and sending the carbon dioxide out.

■ Pharynx (Mouth)

The mouth also helps the nose in breathing in and breathing out.

■ Diaphragm

The diaphragm is a large dome-shaped muscle in the chest. It separates the chest and the abdominal cavities. The muscle enables the lungs to expand and contract. While inhaling, the diaphragm contracts and, while exhaling, the diaphragm expands.

Label the following parts of the respiratory system:

- Nose
- Pharynx
- Trachea
- Primary bronchus
- Right lung
- Left lung
- Diaphragm

