

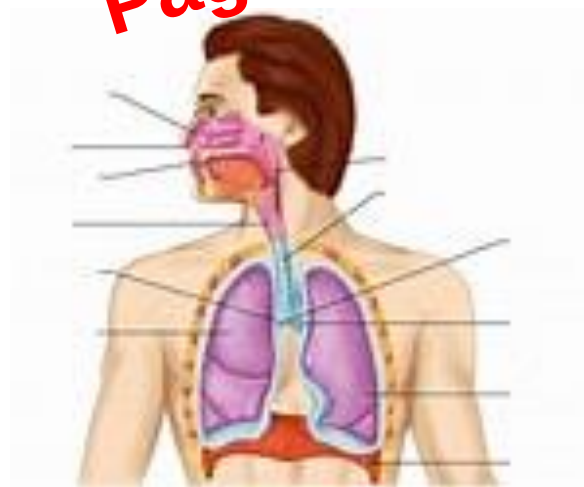
Gaseous Exchange in humans

in humans and other higher animals the exchange of gases is carried out by the respiratory system. we can divide the respiratory system in two parts i.e the air passage way and the lungs.

the Air Passage Way:

The air passage way consists of the parts through which the outside air comes in the lungs and after the exchange of gases it goes out. this passage of air consists of the following parts.

the nose encloses the **nasal cavity**. it opens to the outside through the openings called the **nostrils**. The nasal cavity is divided into two portions by a wall. Each portion is lined by fine hairs and mucous which filter the dust particles from the air. The mucous also moistens and warm the incoming air and keep its temperature nearly equal to that of the body.



the nasal cavity opens into the pharynx by means of two small openings called internal nostrils. Pharynx is a muscular passage and is common to both food and air. it extends to the opening of the esophagus and the larynx.