

Respiratory System Flashcards PDF

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What is the primary function of the respiratory system?

The primary function of the respiratory system is to facilitate the exchange of oxygen and carbon dioxide between the body and the environment.

What are the main organs involved in the respiratory system?

The main organs involved in the respiratory system include the nose, pharynx, larynx, trachea, bronchi, and lungs.

What is the process of breathing called?

The process of breathing is called respiration.

What is the role of the diaphragm in respiration?

The diaphragm is a muscle that contracts and relaxes to help draw air into the lungs and push it out.

What is the difference between inhalation and exhalation?

Inhalation is the process of taking air into the lungs, while exhalation is the process of expelling air from the lungs.

What is gas exchange and where does it occur?

Gas exchange is the process of transferring oxygen into the blood and removing carbon dioxide from the blood, and it occurs in the alveoli of the lungs.

What is the function of the alveoli?

The function of the alveoli is to provide a large surface area for gas exchange between the air and the blood.

What is the role of cilia in the respiratory system?

Cilia are tiny hair-like structures that help to trap and move particles and mucus out of the respiratory tract.

What is the significance of the pleura in the respiratory system?

The pleura are membranes that surround the lungs and provide lubrication to reduce friction during breathing.

What is asthma and how does it affect the respiratory system?

Asthma is a chronic condition that causes inflammation and narrowing of the airways, making it difficult to breathe.