

## Respiratory 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 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 the role of the diaphragm in respiration?

The diaphragm is a muscle that contracts and flattens during inhalation, increasing the volume of the thoracic cavity and allowing air to flow into the lungs.

What is gas exchange and where does it occur?

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

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

The alveoli are tiny air sacs in the lungs that provide a large surface area for gas exchange to occur efficiently.

What is the function of the cilia in the respiratory tract?

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

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.

What are common symptoms of respiratory diseases?

Common symptoms of respiratory diseases include coughing, wheezing, shortness of breath, and chest tightness.