

## **What is the primary function of the respiratory system**

- A. Producing sound
- B. Digesting food
- C. Regulating body temperature
- D. Gas exchange

## **What is the name of the cartilage that forms the "Adam's apple" in the larynx**

- A. Larynx cartilage
- B. Thyroid cartilage
- C. Trachea cartilage
- D. Voice box cartilage

## **What is the medical term for the windpipe**

- A. pharynx
- B. trachea
- C. bronchus
- D. esophagus

## **What is the role of the diaphragm in the respiratory system**

- A. To help with breathing by contracting and relaxing to change the volume of the thoracic cavity
- B. To aid in digestion
- C. To filter air entering the lungs
- D. To regulate heart rate

## **What is the name of the tiny air sacs in the lungs where gas exchange occurs**

- A. Alveoli

- B. Bronchi
- C. Capillaries
- D. Diaphragm

### **What is the purpose of cilia in the respiratory tract**

- A. To transport oxygen in the airway
- B. To sweep mucus and debris out of the airway
- C. To regulate airflow in the airway
- D. To produce mucus in the airway

### **What is the medical term for inflammation of the bronchial tubes**

- A. Pneumonia
- B. Bronchitis
- C. Asthma
- D. Emphysema

### **What is the term for the process of breathing out air from the lungs**

- A. Respiration
- B. Expiration
- C. Inhalation
- D. Exhalation

### **What is the purpose of surfactant in the lungs**

- A. To increase surface tension and promote alveoli collapse
- B. To reduce surface tension and prevent alveoli collapse
- C. To aid in gas exchange between alveoli and capillaries
- D. To regulate blood flow in the lungs

### **What is the role of the epiglottis during swallowing**

- A. To cover the trachea
- B. To protect the esophagus
- C. To produce saliva
- D. To help with digestion

### **What is the average number of breaths per minute for a healthy adult at rest**

- A. 30-40
- B. 50-60
- C. 5-10
- D. 12-20

### **What is the medical term for the voice box**

- A. Trachea
- B. Larynx
- C. Epiglottis
- D. Pharynx

### **What is the name of the membrane that lines the lungs and chest cavity**

- A. Respiratory wall
- B. Chest membrane
- C. Lung lining
- D. Pleura

### **What is the term for the volume of air that remains in the lungs after a maximal exhalation**

- A. Vital capacity

- B. Total lung capacity
- C. Residual volume
- D. Inspiratory reserve volume

**What is the term for the exchange of oxygen and carbon dioxide in the lungs**

- A. Inhalation
- B. Exhalation
- C. Respiration
- D. Breathing

**What is the function of the bronchioles in the respiratory system**

- A. To carry air to the alveoli
- B. To exchange oxygen and carbon dioxide
- C. To produce mucus
- D. To regulate blood pressure

**What is the role of the alveolar macrophages in the lungs**

- A. To help with gas exchange
- B. To remove pathogens and debris from the airways
- C. To regulate blood flow
- D. To produce oxygen

**What is the medical term for the process of breathing in air**

- A. Exhalation
- B. Ventilation
- C. Inhalation
- D. Respiration

**What is the name of the space behind the nose and above the mouth where air passes?**

- A. throat
- B. nasopharynx
- C. sinus cavity
- D. windpipe

**What is the term for the process of gas exchange between the lungs and blood vessels?**

- A. Circulation
- B. Excretion
- C. Respiration
- D. Digestion

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