

Respiratory Anatomy Labeling Quiz PDF

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What is the primary function of the nasal cavity?

- Sound production
- Air filtration and humidification
- Blood circulation
- Gas exchange

Which structure connects the pharynx to the trachea?

- Larynx
- Alveoli
- Diaphragm
- Bronchi

How many lobes does the left lung have?

- One
- Three
- Four
- Two

Describe the pathway of air from the nasal cavity to the alveoli.

Which of the following are functions of the diaphragm in respiration?* (Select all that apply)**

- Assists in inhalation
- Produces digestive enzymes
- Assists in exhalation
- Separates thoracic and abdominal cavities

What physiological changes occur in the diaphragm during inhalation and exhalation?

Identify two common respiratory disorders and explain their impact on the respiratory system.

Which structures are directly involved in the process of gas exchange? (Select all that apply)

- Alveoli
- Bronchioles
- Trachea
- Capillaries

What structure serves as the entry point for air into the respiratory system?

- Mouth
- Trachea
- Larynx
- Nose

Discuss how the structure of the alveoli facilitates efficient gas exchange with the blood.

Which muscle is essential for breathing?

- Pectoral muscles
- Abdominal muscles
- Trapezius
- Diaphragm

What is the main function of the trachea?

- Gas exchange
- Blood filtration
- Nutrient absorption
- Air passage to the bronchi

Explain the role of the pleura in respiratory function and how it aids in lung movement.

What is the role of the pleura?

- Produces mucus
- Filters air
- Facilitates gas exchange
- Protects the lungs and reduces friction

Which of the following structures are part of the lower respiratory tract? (Select all that apply)

- Trachea
- AlVeoli
- Pharynx
- Bronchi

How do the structures of the upper respiratory tract contribute to protecting the lower respiratory tract from infections?

Which part of the respiratory system is primarily responsible for gas exchange?

- Bronchi
- Trachea
- Pharynx
- AlVeoli

Which of the following are components of the upper respiratory tract?* (Select all that apply)**

- Nasal cavity
- Larynx
- AlVeoli
- Pharynx

Which structures are involved in protecting the respiratory system from pathogens?* (Select all that apply)**

- Nasal hairs
- Cilia
- AlVeoli
- MUCUS

What are the functions of the respiratory system?* (Select all that apply)**

- Oxygen delivery

- Blood filtration
- Nutrient absorption
- Carbon dioxide removal