

## Respiratory Diseases Quiz Answer Key PDF

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#### Which part of the respiratory system is primarily responsible for voice production?

- A. Trachea
- B. Bronchi
- C. Larynx ✓**
- D. Alveoli

#### Which factors increase the risk of developing respiratory diseases?

- A. Smoking ✓**
- B. Regular exercise
- C. Air pollution ✓**
- D. Balanced diet

#### Which of the following are common symptoms of pneumonia?

- A. Cough ✓**
- B. Shortness of breath ✓**
- C. Joint pain
- D. Fever ✓**

#### Which diagnostic test is commonly used to assess lung function?

- A. MRI
- B. Spirometry ✓**
- C. Ultrasound
- D. Blood test

#### Which of the following is a bacterial infection affecting the lungs?

- A. Asthma
- B. Tuberculosis ✓**
- C. COPD
- D. Emphysema

**Which of the following are treatments for asthma?**

- A. Bronchodilators ✓**
- B. Antibiotics
- C. Inhaled corticosteroids ✓**
- D. Chemotherapy

**What is the primary risk factor for lung cancer?**

- A. Air pollution
- B. Genetic predisposition
- C. Smoking ✓**
- D. Occupational hazards

**What lifestyle changes can help manage asthma symptoms?**

**Key lifestyle changes to manage asthma symptoms include avoiding allergens and irritants, maintaining a healthy diet, exercising regularly, managing stress, and following a proper medication regimen.**

**Explain how smoking contributes to the development of COPD.**

**Smoking contributes to the development of COPD by causing chronic inflammation in the lungs, damaging the airways and alveoli, and leading to the progressive decline in lung function.**

**Discuss the impact of air pollution on respiratory health.**

**Air pollution negatively impacts respiratory health by causing and exacerbating conditions such as asthma, COPD, and lung infections, leading to long-term health complications.**

**Describe the role of the diaphragm in the process of breathing.**

**During inhalation, the diaphragm contracts and moves downward, increasing the volume of the thoracic cavity and allowing air to flow into the lungs. During exhalation, the diaphragm relaxes and moves upward, decreasing the thoracic cavity volume and pushing air out of the lungs.**

**Which diagnostic tools are used to identify lung cancer?**

- A. CT scan ✓**
- B. Spirometry
- C. Biopsy ✓**
- D. Blood pressure test

**How does the immune system respond to a tuberculosis infection?**

**The immune system responds to tuberculosis infection by activating macrophages and forming granulomas to contain the bacteria.**

**Which of the following is a common symptom of asthma?**

- A. Fever
- B. Joint pain
- C. Wheezing ✓**
- D. Rash

**What is the primary function of the alveoli in the respiratory system?**

- A. Filter air
- B. Produce mucus
- C. Gas exchange ✓**
- D. Support lung structure

**Explain the importance of early detection and treatment of lung cancer.**

**The importance of early detection and treatment of lung cancer lies in the fact that it can lead to better prognosis, higher survival rates, and less invasive treatment options.**

**Which vaccine is recommended to prevent certain types of pneumonia?**

- A. MMR vaccine
- B. Hepatitis B vaccine
- C. Pneumococcal vaccine ✓**
- D. Varicella vaccine

**What is the main cause of Chronic Obstructive Pulmonary Disease (COPD)?**

- A. Viral infection
- B. Bacterial infection
- C. Smoking ✓**
- D. Genetic mutation

**What are the potential complications of untreated tuberculosis?**

- A. Lung damage ✓**
- B. Heart disease
- C. Spread to other organs ✓**
- D. Diabetes

**Which of the following are methods to prevent respiratory infections?**

- A. Vaccination ✓**
- B. Hand hygiene ✓**
- C. Smoking
- D. Wearing masks ✓**