

WEEK 3: The Respiratory System Quiz

Student's Name

Institutional Affiliation

WEEK 3: The Respiratory System Quiz

Sample Quiz Questions and Answers

(Note: The correct answers are underlined)

Quiz Questions

- 1. Which of the following is a short-acting beta-agonist (SABA) used for quick relief in asthma attacks?**
 - A. Salmeterol
 - B. Albuterol
 - C. Montelukast
 - D. Fluticasone
- 2. Which medication is classified as a leukotriene receptor antagonist (LTRA) and is used for long-term control of asthma?**
 - A. Ipratropium
 - B. Montelukast
 - C. Theophylline
 - D. Cromolyn
- 3. What is the mechanism of action of inhaled corticosteroids in the treatment of asthma?**
 - A. Bronchodilation by relaxing smooth muscles
 - B. Inhibition of inflammatory mediator release
 - C. Blocking acetylcholine receptors
 - D. Inhibiting leukotriene formation
- 4. Which of the following medications is a long-acting muscarinic antagonist (LAMA) used in the management of chronic obstructive pulmonary disease (COPD)?**
 - A. Tiotropium

B. Albuterol

C. Montelukast

D. Theophylline

5. **For which condition is theophylline most commonly prescribed?**

A. Acute asthma attacks

B. Chronic obstructive pulmonary disease (COPD)

C. Seasonal allergies

D. Pulmonary hypertension

6. **Which of the following drugs can be used as a rescue medication during an acute asthma exacerbation?**

A. Salmeterol

B. Fluticasone

C. Albuterol

D. Montelukast

7. **Which medication works by inhibiting phosphodiesterase, leading to increased cAMP levels and bronchodilation?**

A. Theophylline

B. Ipratropium

C. Cromolyn

D. Omalizumab

8. **What is a common side effect of inhaled corticosteroids?**

A. Tachycardia

B. Oral thrush

C. Hypertension

D. Nausea

9. **Which medication is used to prevent exercise-induced bronchospasm?**

A. Montelukast

B. Salmeterol

C. Fluticasone

D. Tiotropium

10. **Which class of drugs is typically the first-line treatment for chronic management of asthma?**

A. Short-acting beta-agonists (SABAs)

B. Long-acting beta-agonists (LABAs)

C. Inhaled corticosteroids (ICS)

D. Leukotriene receptor antagonists (LTRAs)