

## Immune System Quiz Answer Key PDF

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**Which cells are involved in the innate immune response? (Select all that apply)**

- A. Neutrophils ✓**
- B. Macrophages ✓**
- C. B cells
- D. Natural killer cells ✓**

**Which of the following are autoimmune diseases? (Select all that apply)**

- A. Type 1 diabetes ✓**
- B. Lupus ✓**
- C. Asthma
- D. Multiple sclerosis ✓**

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

- A. Neutralize pathogens ✓**
- B. Transport oxygen
- C. Mark pathogens for destruction ✓**
- D. Produce hormones

**What is the role of cytokines in the immune system?**

- A. They digest pathogens
- B. They signal between cells ✓**
- C. They store energy
- D. They transport oxygen

**What is the primary function of the immune system?**

- A. To produce hormones
- B. To defend the body against infections ✓**
- C. To regulate body temperature
- D. To digest food

**Which nutrient is essential for supporting immune function?**

- A. Vitamin A
- B. Vitamin C ✓**
- C. Vitamin K
- D. Vitamin B12

**Which type of vaccine contains a weakened form of the virus?**

- A. Inactivated vaccine
- B. Subunit vaccine
- C. Live attenuated vaccine ✓**
- D. mRNA vaccine

**Which disease is characterized by the immune system attacking the body's own tissues?**

- A. Influenza
- B. Tuberculosis
- C. Rheumatoid arthritis ✓**
- D. Malaria

**Which factors can weaken the immune system? (Select all that apply)**

- A. Chronic stress ✓**
- B. Regular exercise
- C. Poor nutrition ✓**
- D. Adequate sleep

**Which of the following are types of vaccines? (Select all that apply)**

- A. Live attenuated ✓**
- B. Inactivated ✓**

**C. Subunit ✓**

D. Antibiotic

**What type of white blood cell is primarily responsible for producing antibodies?**

A. Neutrophils

**B. B cells ✓**

C. T cells

D. Monocytes

**Which of the following are components of the adaptive immune system? (Select all that apply)**

**A. B cells ✓**

**B. T cells ✓**

C. Skin

**D. Antibodies ✓**

**Which of the following is a component of the innate immune system?**

A. Antibodies

B. T cells

**C. Skin ✓**

D. Memory cells

**Which of the following is NOT a function of the adaptive immune system?**

**A. Rapid response to pathogens ✓**

B. Memory creation

C. Specific targeting of pathogens

D. Production of antibodies