

# Immunology Fundamentals Quiz

Immunology · Answer Key · 8 Questions

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## 1. What is the primary function of white blood cells?

- A) To carry oxygen
- B) To fight infection**
- C) To clot blood
- D) To transport nutrients

## 2. Which type of immunity is present from birth and provides a general defense against pathogens?

- A) Adaptive immunity
- B) Acquired immunity
- C) Innate immunity**
- D) Humoral immunity

## 3. What is the role of antibodies in the immune system?

- A) To destroy pathogens directly
- B) To mark pathogens for destruction**
- C) To transport oxygen to tissues
- D) To produce energy for cells

## 4. Which organ is a primary site for the maturation of T-lymphocytes (T-cells)?

- A) Bone marrow
- B) Spleen
- C) Liver
- D) Thymus**

## 5. What are vaccines designed to do?

- A) Cure existing infections
- B) Prevent future infections**
- C) Increase blood pressure
- D) Repair damaged tissues

## 6. Which of the following is a type of white blood cell that engulfs and digests pathogens?

- A) Red blood cell
- B) Platelet
- C) Phagocyte**
- D) Erythrocyte

**7. What is the term for a substance that triggers an immune response?**

- A) Antibody
- B) Antigen**
- C) Vaccine
- D) Cytokine

**8. Which component of the immune system remembers past encounters with pathogens to provide faster and stronger responses upon re-exposure?**

- A) Innate immune cells
- B) Antibodies
- C) Memory cells**
- D) Antigens