

Immunology Fundamentals Quiz

Immunology · Practice Test · 8 Questions

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