

Introduction to Human Immunology

Immunology · Practice Test · 18 Questions

1. Which type of blood cell is primarily responsible for fighting infections in the human body?

- A) Red blood cells
- B) White blood cells
- C) Platelets
- D) Plasma

2. What is the name of the substance injected into the body to help the immune system learn how to fight a specific disease?

- A) Vitamin
- B) Antibiotic
- C) Vaccine
- D) Antacid

3. Which organ acts as a filter for the blood and helps remove old or damaged red blood cells?

- A) Spleen
- B) Liver
- C) Heart
- D) Stomach

4. What are the 'memory' cells in the immune system designed to do?

- A) Store fats
- B) Remember past germs to fight them faster later
- C) Make the body taller
- D) Produce energy

5. Which structure in the body produces antibodies to help destroy harmful bacteria and viruses?

- A) B-cells
- B) Brain cells
- C) Skin cells
- D) Bone marrow

6. What is the role of skin in the immune system?

- A) To produce white blood cells
- B) To act as a physical barrier against germs
- C) To digest food
- D) To carry oxygen

7. Which protein do immune cells produce to neutralise specific viruses and bacteria?

- A) Antibody
- B) Hemoglobin
- C) Insulin
- D) Calcium

8. What is the common name for a fever, which is the body's way of trying to kill heat-sensitive germs?

- A) An infection
- B) A body temperature rise
- C) A muscle cramp
- D) A digestive issue

9. Where are most white blood cells produced in the human body?

- A) Bone marrow
- B) The brain
- C) The lungs
- D) The kidneys

10. Which part of the immune system consists of a network of vessels that carry a clear fluid called lymph?

- A) Lymphatic system
- B) Nervous system
- C) Digestive system
- D) Respiratory system

11. What is an allergen?

- A) A type of germ
- B) A substance that causes an overreaction of the immune system
- C) A type of medicine
- D) A nutrient found in fruit

12. Which of these is a common way germs enter the human body?

- A) Through the eyes, nose, or mouth
- B) Through the hair
- C) By eating healthy food
- D) By drinking clean water

13. What do phagocytes do in the immune system?

- A) They digest and swallow harmful bacteria
- B) They make you feel tired
- C) They help you run faster
- D) They produce red blood cells

14. What is the purpose of a cough or sneeze in relation to the immune system?

- A) To get attention
- B) To expel trapped germs or irritants from the body
- C) To signal hunger
- D) To relax the lungs

15. Which immune organ sits in the chest and is where T-cells mature?

- A) Thymus
- B) Pancreas
- C) Gallbladder
- D) Appendix

16. How do antibodies help the immune system fight germs?

- A) By marking them for destruction by other cells
- B) By turning them into energy
- C) By changing their color
- D) By making them grow faster

17. What are the small, bean-shaped structures that act as filters in the lymphatic system called?

- A) Lymph nodes
- B) Kidneys
- C) Glands
- D) Capillaries

18. Which discovery by Edward Jenner helped the world fight smallpox?

- A) The telescope
- B) The first vaccine
- C) The microscope
- D) The thermometer