

Introduction to Human Immunology

Immunology · Answer Key · 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