

Introduction to Tissues

Biology · Answer Key · 20 Questions

1. What is a tissue composed of?

- A) Individual cells
- B) Groups of cells with similar origins and functions**
- C) Organs
- D) Organ systems

2. What is the primary function of a tissue?

- A) To form organs
- B) To perform a specific or particular function**
- C) To transport substances
- D) To provide structural support

3. Which of the following is given as an example of a tissue?

- A) Bone Marrow
- B) Erythrocyte
- C) Blood**
- D) Artery

4. What does RBC stand for in the context of blood?

- A) Red Blood Cell**
- B) Ribonucleic Acid
- C) Respiratory Cell
- D) Resting Blood Cell

5. What is a characteristic shape of an erythrocyte?

- A) Spherical
- B) Biconcave**
- C) Rod-shaped
- D) Irregular

6. Are mature erythrocytes nucleated?

- A) Yes
- B) No**
- C) Sometimes
- D) Only in certain animals

7. What is another name for a white blood cell?

- A) Erythrocyte
- B) Monocyte
- C) Thrombocyte

D) Leukocyte

8. What is the primary role of WBCs mentioned in the text?

- A) Transporting oxygen
- B) Blood coagulation

C) Providing immunity

- D) Forming bone

9. What is a thrombocyte primarily involved in?

- A) Oxygen transport
- B) Immunity

C) Blood coagulation

- D) Nutrient absorption

10. Where are blood cells produced?

- A) Liver
- B) Spleen

C) Bone Marrow

- D) Lymph Nodes

11. Which type of tissue is characterized by its ability to contract?

- A) Epithelial tissue
- B) Connective tissue

C) Muscular tissue

- D) Nervous tissue

12. Which tissue type is responsible for transmitting nerve impulses?

- A) Epithelial tissue
- B) Connective tissue

C) Muscular tissue

D) Nervous tissue

13. What is the main function of epithelial tissue?

- A) Movement

B) Protection and secretion

- C) Support
- D) Conduction of impulses

14. What is the function of connective tissue?

A) Contraction

- B) Information transmission
- C) Support, binding, and transport
- D) Protection

15. What are the four main types of animal tissues listed?

A) Epithelial, Connective, Muscular, Nervous

- B) Blood, Bone, Muscle, Nerve
- C) Dermal, Vascular, Ground, Meristematic
- D) Red, White, Platelets, Plasma

16. What is the origin of cells that form a tissue?

A) Different origins

B) Similar origins

- C) Only from the brain
- D) Only from the heart

17. What is the function of blood mentioned in the text?

A) Providing immunity

B) Transporting oxygen and nutrients

- C) Blood coagulation
- D) Forming bone

18. What is the approximate lifespan of RBCs mentioned?

A) 7-10 days

B) 13-20 days

- C) 30-40 days
- D) 1-2 days

19. What is the shape of platelets?

A) Biconcave disc

- B) Spherical
- C) Oval
- D) Irregular

20. Which of the following is NOT a type of animal tissue listed?

A) Muscular tissue

B) Nervous tissue

C) Epidermal tissue

D) Connective tissue