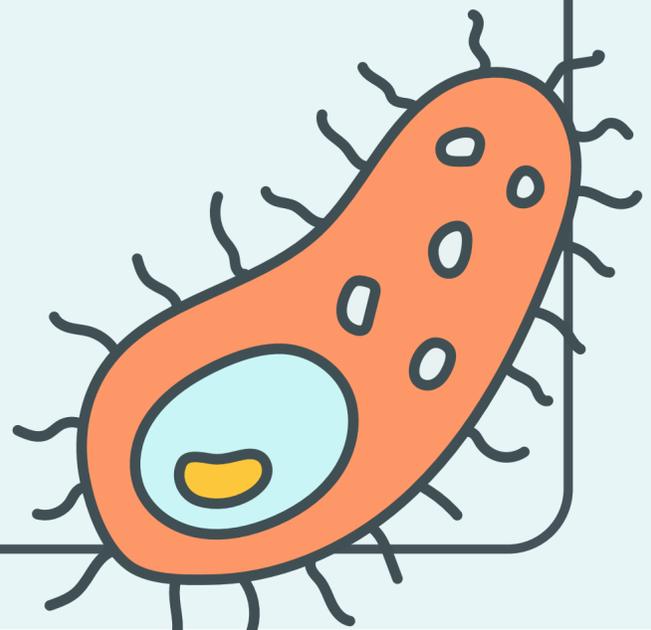
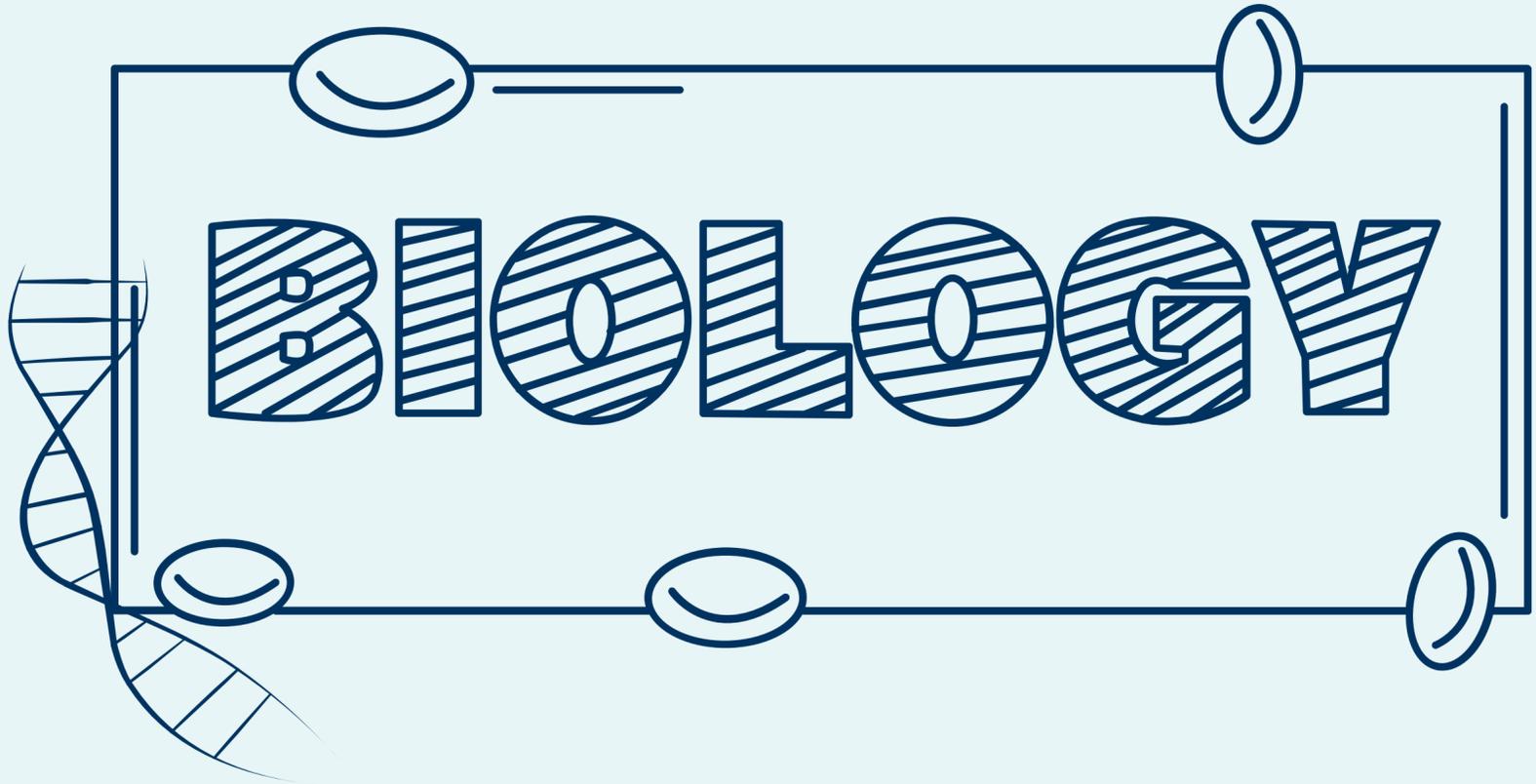


# Quiz time

## Lec 17



1. What are the two main components of the Extracellular Matrix (ECM)?

- A) Cells and Nucleus
- B) Ground substance and Fibers
- C) Water and Cytoplasm
- D) Bacteria and Viruses

Answer: B) Ground substance and Fibers

2. Which protein is the most abundant protein in the human body?

- A) Elastin
- B) Keratin
- C) Collagen
- D) Hemoglobin

Answer: C) Collagen

3. Which type of fibers provides "elasticity" and allows tissues to stretch and return to their shape?

- A) Collagen fibers
- B) Reticular fibers
- C) Elastic fibers
- D) Muscle fibers

Answer: C) Elastic fibers

4. What is the main function of "Adhesive Glycoproteins" in the ECM?

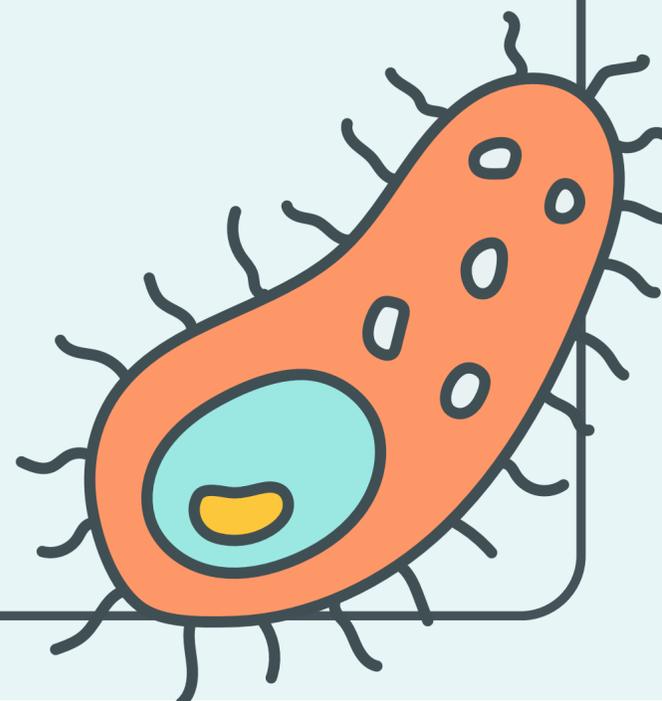
- A) To store energy
- B) To bind cells to the extracellular matrix
- C) To produce oxygen
- D) To protect the nucleus

Answer: B) To bind cells to the extracellular matrix

5. Which type of Collagen is specifically known for its ability to "resist tension"?

- A) Type I
- B) Type II
- C) Type III
- D) Type IV

Answer: A) Type I



6. Reticular fibers are mainly composed of which type of collagen?

- A) Type I
- B) Type II
- C) Type III
- D) Type IV

Answer: C) Type III

7. In which tissue is the amount of Extracellular Matrix (ECM) very high compared to the number of cells?

- A) Epithelial tissue
- B) Connective tissue
- C) Muscle tissue
- D) Nervous tissue

Answer: B) Connective tissue

8. Which molecule resembles a "test tube brush" in its structure?

- A) Fibronectin
- B) Proteoglycans
- C) Elastic fibers
- D) Laminin

Answer: B) Proteoglycans

9. What is the main role of the "Ground Substance"?

- A) It acts as a mechanical barrier and a medium for nutrient exchange
- B) It only provides color to the tissue
- C) It produces red blood cells
- D) It helps in muscle contraction

Answer: A) It acts as a mechanical barrier and a medium for nutrient exchange

10. Which of these molecules is an example of a "Multi-adhesive Glycoprotein"?

- A) Collagen
- B) Elastin
- C) Fibronectin
- D) Glucose

Answer: C) Fibronectin

علاقتك مع الله هي العلاقة  
الوحيدة التي ستقذك مرتين  
مرة في الدنيا ومرة في الآخرة  
حافظ عليها

