

# Tissus Conjunctifs: Structure, Fonctions et Cellules

Histology · Answer Key · 15 Questions

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**1. What are the two main components of connective tissues?**

- A) Cells and extracellular matrix**
- B) Epithelium and muscle tissue
- C) Nerves and blood vessels
- D) Collagen and elastin

**2. Which of the following is NOT a function of connective tissues?**

- A) Mechanical support
- B) Nutrient exchange
- C) Protection
- D) Contraction**

**3. What is the main criterion for classifying different types of connective tissues?**

- A) Proportion of cells, fibers, and ground substance**
- B) Cell type
- C) Vascularity
- D) Embryonic origin

**4. Which type of cell is responsible for synthesizing collagen fibers?**

- A) Fibroblasts**
- B) Macrophages
- C) Plasma cells
- D) Mast cells

**5. What is the amorphous component of the extracellular matrix called?**

- A) Ground substance**
- B) Collagen
- C) Elastin
- D) Reticulin

**6. What are the two main categories of connective tissue cells?**

- A) Fixed and transient**
- B) Epithelial and mesenchymal
- C) Cartilage and bone
- D) Adipose and blood

**7. What is the origin of mesenchymal cells?**

**A) Mesoderm**

- B) Ectoderm
- C) Endoderm
- D) Neural crest

**8. What are the two types of adipose cells?**

**A) Unilocular and multilocular**

- B) Brown and white
- C) Dense and loose
- D) Regular and irregular

**9. What is the primary function of mast cells in hypersensitivity reactions?**

**A) Releasing histamine**

- B) Phagocytosis
- C) Antibody production
- D) Collagen synthesis

**10. What is the main function of plasma cells?**

**A) Antibody production**

- B) Collagen synthesis
- C) Phagocytosis
- D) Histamine release

**11. Which type of collagen is found in cartilage?**

**A) Type II**

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

**12. What are the two main structural components of elastic fibers?**

**A) Elastin and fibrillin**

- B) Collagen and elastin
- C) Reticulin and collagen
- D) Fibronectin and laminin

**13. What is Wharton's jelly?**

**A) Embryonic connective tissue of the umbilical cord**

- B) Adult adipose tissue
- C) Cartilage
- D) Bone marrow

**14. Which characteristic is associated with Ehlers-Danlos syndrome?**

**A) Defective collagen formation**

B) Excessive histamine release

C) Abnormal fat storage

D) Cartilage degradation

**15. What is the function of the ground substance in connective tissue?**

**A) Diffusion of tissue fluid**

B) Collagen synthesis

C) Elasticity

D) Structural support