

## Connective Tissue

1) What are the properties of connective tissue?

- 1) Connects, Protects, & Supports
- 2) Vascular
- 3) Derived from mesenchymal stem cell
- 4) Many different cell types
- 5) Extracellular Fibers
- 6) Ground Substance

2) What are the major classes of connective tissue?

- 1) CT proper (dense/loose CT)
- 2) Cartilage
- 3) Osseous [Bone]
- 4) Blood

3) Extracellular matrix is found between cells. It is composed of extracellular fibers and ground substance. What is its purpose?  
support & nourishment

4) Ground substance is amorphous and homogenous. What is it composed of?

- Interstitial fluid
- Cell adhesion molecules (CT glue)
- Proteoglycans
  - ↳ orient fiber formation in the tissue

5) What cell is the precursor to all connective tissue cells?

Mesenchymal Stem Cell

6) What are some of the connective tissue cells that were talked about in class?

Fibroblast  
~~Adipocyte~~  
Chondroblast  
~~Chondrocyte~~  
Osteoblast  
Fibrocyte  
Chondrocyte  
Osteocyte

Hematopoietic Stem Cell  
Mesenchymal Stem Cell  
Adipocytes  
RBCs  
WBCs