

## FOUR PRIMARY TISSUE TYPES

1. Epithelium
2. Connective
3. Muscle
4. Nervous

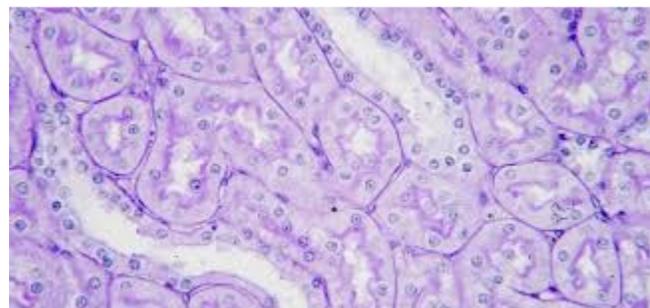
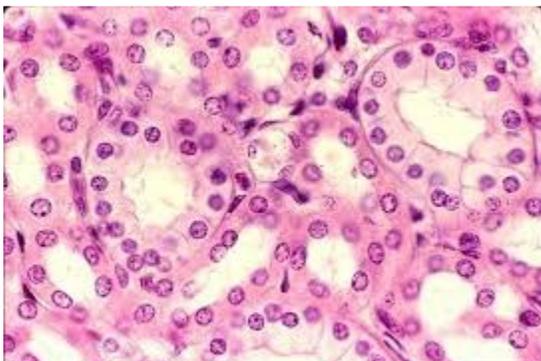
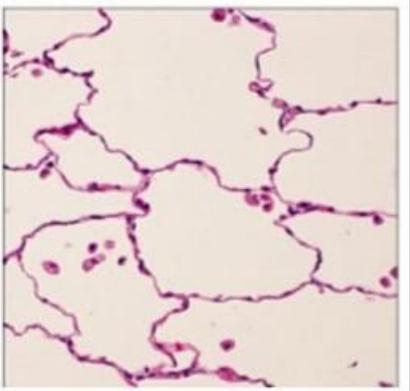
Know:  
Type  
Function  
Location

### EPITHELIAL TISSUE

Terms to Know

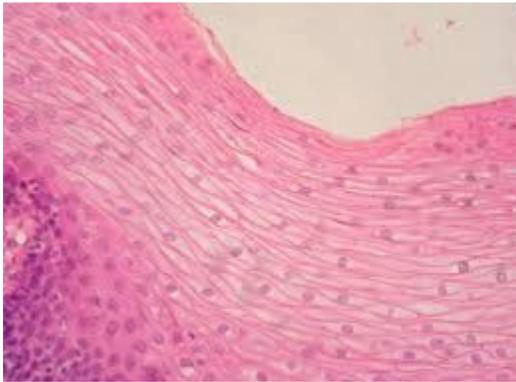
- Simple squamous
- Simple cuboidal
- Simple columnar
  - Goblet cells
- Stratified squamous
- Ciliated Pseudostratified Columnar (trachea)
  - Goblet cells

### KNOW THE HISTOLOGY

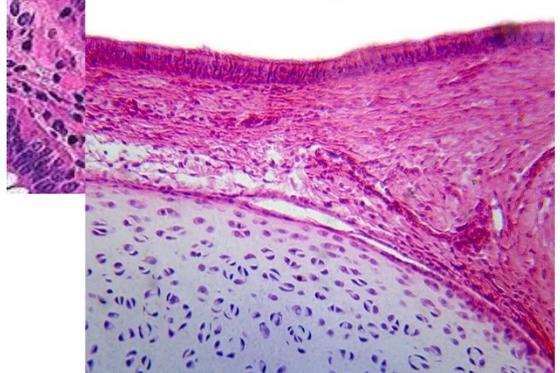


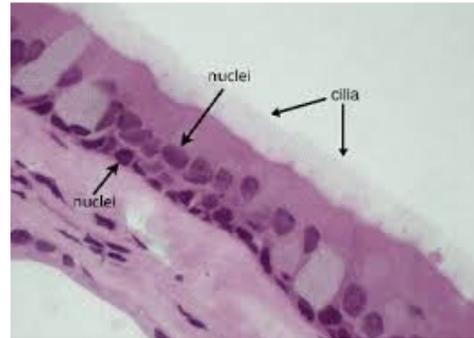


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Simple Columnar Epithelium with a Brush border (microvilli) and Goblet cells (make mucous).  
Cells would be longer like these 2 black lines.  
Brush





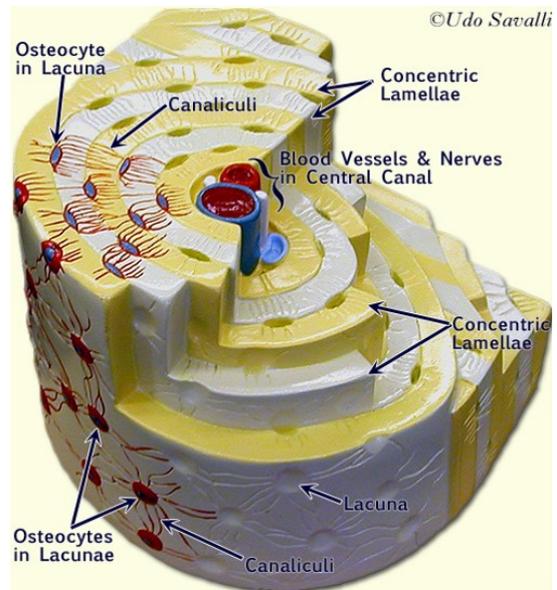
**CONNECTIVE TISSUE**

**Tissue Matrix:** the extracellular substance in which tissue cells (as of connective tissue) are embedded  
 <mineralization of bone *matrix*> *b* : the thickened epithelium at the base of a fingernail or toenail from which new nail substance develops—called also *nail bed*, *nail matrix*

Terms to Know

BONE MODEL

- Osteoid
- Hydroxyapatite
- Osteocyte
- Lacuna
- Matrix
- Haversian Canal (what's in there?)
- Canaliculi



Connective Tissue -- Name them, special characteristics, matrix, location & function

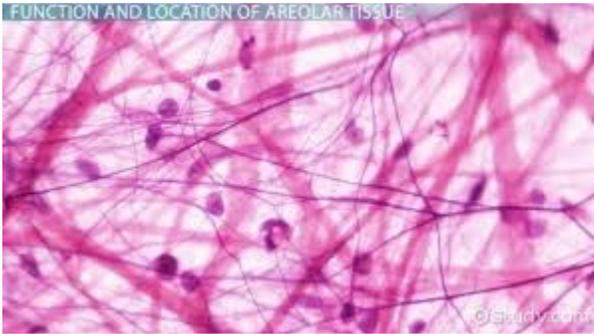
Four main classes

- Connective tissue proper
  - o Loose
  - o Dense
  
- Cartilage – Name them, location & Function
  - o .
  - o .

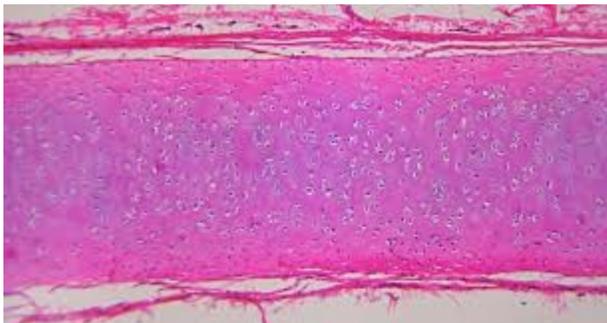
- .
- Bone
- Blood
- .
- .
- .

**KNOW THE HISTOLOGY**

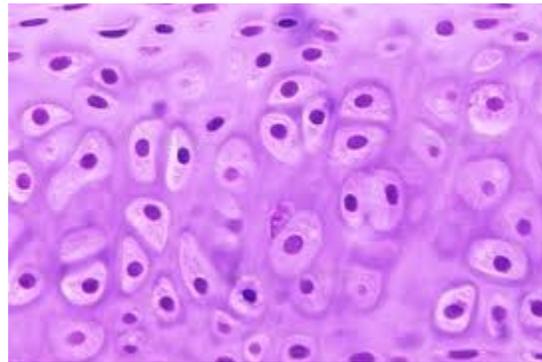
**Type**  
**Function**  
**Location**



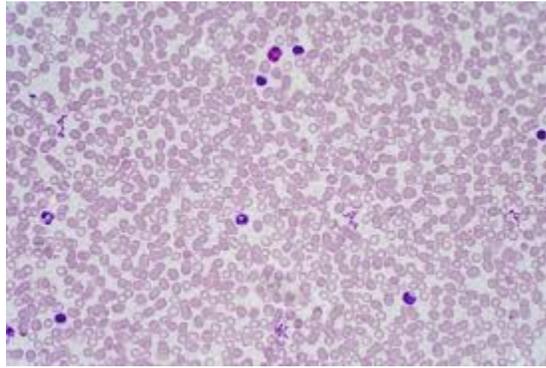
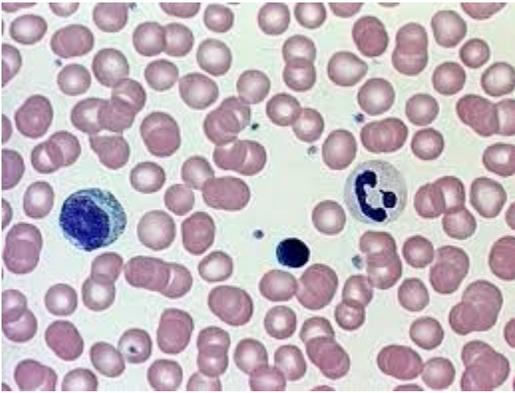
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**Type**  
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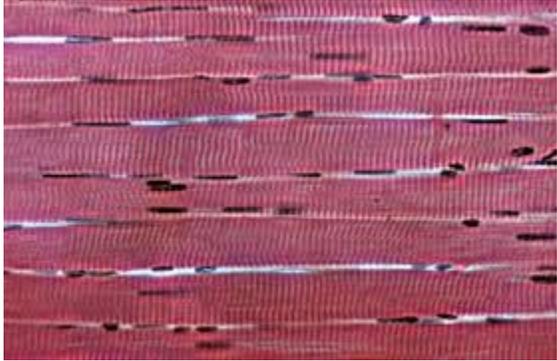


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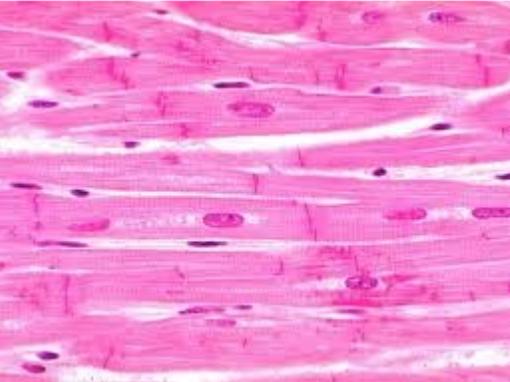
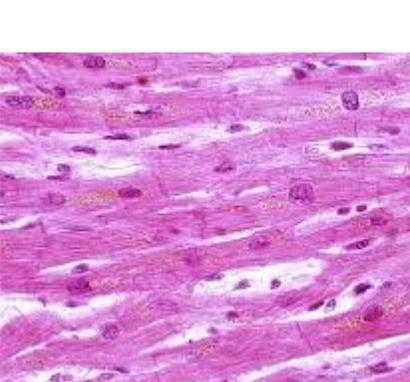
**Muscle Tissue**

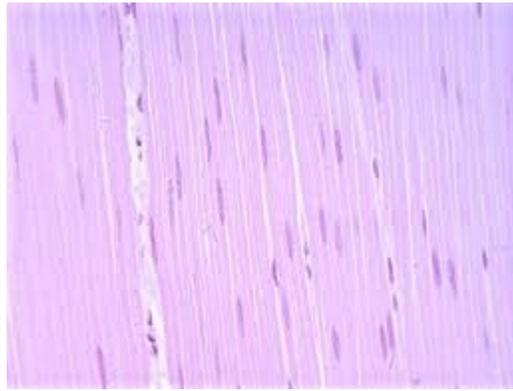
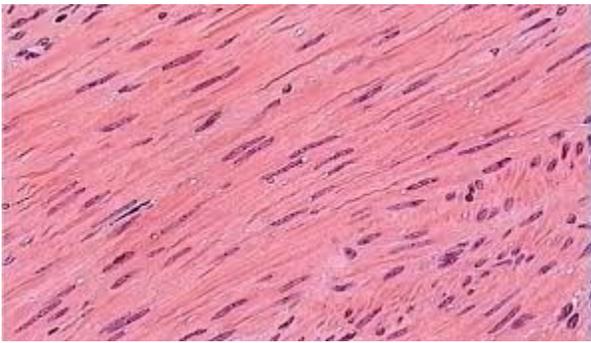
- Three Types of Muscle Tissue
- Skeletal Muscle Tissue
  - Cardiac Muscle Tissue
  - Smooth (visceral) muscle

**KNOW THE HISTOLOGY**



<b>Type</b> <b>Function</b> <b>Location</b>
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**Type**  
**Function**  
**Location**

**Type**  
**Function**  
**Location**

**NERVOUS TISSUE**

