

## Histology Review

### Define

Extracellular Matrix

Tissue

Keratin

Perichondrium

Chondrocyte

Histology

Mesenchyme

Hematopoiesis

### Primary Germ Layers

- \_\_\_\_derm - Epithelial (organs)
- \_\_\_\_derm - Epithelial (vessels), muscle, connective
- \_\_\_\_derm - Epithelial (external organs), nervous

### Epithelial Tissues

- Characteristics – Avascular , High cellularity (what does this mean?)
- 5 Functions
- Membranes – list the 3 and where they are found
- Types
  - Squamous
    - Simple
    - Stratified – Keratinized – location ; Non-keratinized
  - Columnar
    - Simple
    - Stratified
    - Pseudostratified ciliated-Location; nonciliated -location
  - Cuboidal
    - Simple
    - Stratified
  - Transitional-Location
  - Glands
    - Endocrine - Secretes hormones, Ductless
    - Exocrine – has ducts, 3 types, method of secretion, and an example for each

### Connective Tissue

- 5 Functions
- Membranes – 1 type and where found?
- Types
  - Bone – functional unit?
  - Cartilage – list 3 types, where each is located and the main characteristic
  - Fibrous
    - Areolar (loose connective) - Most \_\_\_\_\_ connective tissue
    - Adipose – 3 Functions
    - Reticular
    - Dense fibrous – list 2 types, the kind of fibers, and the location of each
  - Blood – Function, \_\_\_\_\_%Plasma, \_\_\_\_\_%Cells – list 3 types

### Muscle

- 3 types and if they are voluntary/involuntary, striated/nonstriated, how many nuclei per cell, intercalated discs

### Nervous

- 2 things found in nervous tissue

### Tissue Repair

- Steps
- Best regenerative tissue (most to least) –
- Keloids – effect \_\_\_\_\_ tissue

### Tissue Slides