

Loving's A&P I – Chapter 4 – Terms

Highlighted terms are introduced during lab

Non-highlighted terms are emphasized during lecture

Artifacts

Epithelial tissue, epithelium (sing), epithelia (pl)

Polarity

apical & basal surfaces

microvilli

Simple epithelia

Stratified epithelia

Squamous cells

Cuboidal cells

Columnar cells

Kinds of simple squamous epithelia:

Simple squamous epithelium

Simple cuboidal epithelium

Simple columnar epithelium

(also pseudostratified columnar epithelium)

Kinds of stratified epithelia:

Stratified squamous epithelium

Stratified cuboidal & stratified columnar epithelium – rare

Transitional epithelium

Gland

Secretion

Endocrine glands

Hormones

Exocrine glands exocrine glands

Uncellular

Goblet cells

Multicellular exocrine glands

Simple glands

Compound glands

Alveolar glands

Merocrine glands

Holocrine glands

Apocrine glands

***These are Vocabulary Terms only.
Students are also responsible for concepts!***

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Connective tissue

Ground substance

Fibers

Collagen fibers,

Tensile strength

White fibers

Elastic fibers

Yellow fibers

C.T Cells

Fibroblast, CT Proper

Chondroblast, cartilage

Osteoblast, bone

Hematopoietic stem cell

Mast cells (WBC)

Macrophages (WBC)

CT Proper – 2 classes, loose and dense

Loose CT

Aerolar CT

Edema

Adipose tissue

White and brown adipose tissue

Dense CT

Dense Regular CT

Tendons,

Aponeuroses

Fascia

Ligaments

Dense irregular CT

In dermis, etc.

Cartilage

Tension and compression

Chondroblasts

Chondrocytes

Lacunae

Three varieties of cartilage

Hyaline cartilage

Elastic cartilage

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Fibrocartilage (not on test)

Bone

Osseous tissue

Osteoblasts

Osteocytes

Lacunae

Lamella

Osteon

Blood

Nervous tissue

Neurons

Dendrites

Axons

Muscle tissue

Myofilaments

Skeletal muscles (voluntary muscle)

Muscle fibers

Cardiac muscle

Smooth muscle (involuntary)

Membranes

Cutaneous membrane – skin

Mucous membranes, mucosae

Serous membranes, serosae

Pleura

Pericardium

Regeneration

Fibrosis

Scar tissue

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