

	<u>Lab</u>
<input type="checkbox"/> Front matter and Miscellaneous	
<input type="checkbox"/> Table of Contents	
<input type="checkbox"/> Microscope Information Table	1
<input type="checkbox"/> Tissue Identification	2/3
<input type="checkbox"/> Drawings are in pencil (lead or colored)	
<input type="checkbox"/> Silk fibers (100x and 400x)	1
<input type="checkbox"/> Drawings and Labels <i>red, blue and yellow fibers</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> <u>Question 1</u> : List the order of the colored fibers from top to bottom.	
<input type="checkbox"/> Epithelium, simple squamous (400x)	3
<input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Epithelium, stratified squamous (400x)	3
<input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Epithelium, simple cuboidal (400x)	3
<input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Epithelium, stratified cuboidal (400x)	3
<input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Epithelium, simple columnar (400x)	3
<input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Epithelium, pseudostratified columnar (ciliated) (400x)	3
<input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane, cilia</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> <u>Question 2</u> : Explain why this tissue is called <i>pseudostratified</i> .	
<input type="checkbox"/> Connective tissue, areolar (400x)	3
<input type="checkbox"/> Drawings and Labels <i>fibroblast nucleus, elastic fibers, collagen fibers, ground substance</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Connective tissue, adipose (400x)	3
<input type="checkbox"/> Drawings and Labels <i>adipocyte, nucleus, fat droplet</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> <u>Question 3</u> : Explain why you cannot see any cytoplasmic details in these cells.	
<input type="checkbox"/> Connective tissue, dense regular (400x)	3
<input type="checkbox"/> Drawings and Labels <i>collagen fibers, fibroblast nucleus</i>	
<input type="checkbox"/> Slide information	
<input type="checkbox"/> Connective tissue, dense irregular (400x)	3

- Drawings and Labels
collagen fibers, fibroblast nucleus
- Slide information
- Serous membrane (400x)** 4
- Drawings and Labels
free edge, epithelial cell
- Slide information
- Question 4:** What type of epithelium comprises this membrane?
- Question 5:** In general, where in the body do you find serous membranes?
- Mucous membrane (400x)** 4
- Drawings and Labels
free edge, epithelial cell, goblet cell
- Slide information
- Question 6:** What type(s) of epithelium comprise(s) this membrane?
- Question 7:** In general, where in the body do you find mucous membranes?
- Thick skin (100x)** 4
- Drawings and Labels
stratum corneum, stratum granulosum, stratum spinosum, stratum basale, dermal papillae, sweat gland, hypodermis, dermis (in general), epidermis (in general)
- Slide information
- Question 8:** Identify the major tissue types of the epidermis, dermis and hypodermis.
- Question 9:** List the places on the body where you find thick skin.
- Thin skin with hair (100x)** 4
- Drawings and Labels
stratum corneum, stratum granulosum, stratum spinosum, stratum basale, dermal papillae, hypodermis, sebaceous gland, hair follicle, hair root, epidermis (in general), dermis (in general)
- Slide information
- Question 10:** What is the secretory product of the sebaceous gland?
- Connective tissue, hyaline cartilage (400x)** 5
- Drawings and Labels
chondrocyte, lacuna, matrix, perichondrium
- Slide information
- Connective tissue, compact bone (100x)** 5
- Drawings and Labels
osteon, central (Haversian) canal, lacuna, lamella, canaliculus
- Slide information
- Muscle, skeletal (400x)** 7
- Drawings and Labels
skeletal muscle fiber, nucleus, A band, I band, sarcomere
- Slide information
- Question 11:** Is this type of tissue under voluntary or involuntary control?
- Question 12:** What happens to the sarcomere during contraction?
- Motor nerve endings (100x and 400x)** 7
- Drawings and Labels
axon, axon terminal, skeletal muscle, synaptic vesicles
- Slide information
- Muscle, cardiac (heart) (400x)** 7
- Drawings and Labels
nucleus, intercalated disc, branching muscle fibers
- Slide information
- Question 13:** Is this type of tissue under voluntary or involuntary control?
- Muscle, smooth (100x and 400x)** 7

- Drawings and Labels
 - On 100x view: circular layer, longitudinal layer*
 - On 400x view: smooth muscle fiber, nucleus*
- Slide information
- Question 14:** Is this type of tissue under voluntary or involuntary control?
- Question 15:** Why is this tissue found in the walls of hollow organs?
- Neuron smear (400x)** 10
 - Drawings and Labels
 - neuron cell body, processes, neuron nucleus, astrocyte nuclei*
 - Slide information
- Nerve fibers (osmium tetroxide) (400x)** 10
 - Drawings and Labels
 - Schwann cell, axon, node of Ranvier*
 - Slide information
 - Question 16:** Describe the role(s) of the Schwann cells.
- Nerve (Masson) (400x)** 10
 - Drawings and Labels
 - nerve, epineurium, fascicle, perineurium, axon, endoneurium*
 - Slide information
 - Question 17:** Is this structure part of the CNS or PNS?
- Unknown Tissue #1** 2/3
 - Drawings and Appropriate Labels
- Unknown Tissue #2** 2/3
 - Drawings and Appropriate Labels
- Unknown Tissue #3** 2/3
 - Drawings and Appropriate Labels