

	<b>Lab</b>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Front matter and Miscellaneous</b> <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Table of Contents</li> <li>• <input type="checkbox"/> Microscope Information Table</li> <li>• <input type="checkbox"/> Tissue Identification</li> <li>• <input type="checkbox"/> Drawings are in pencil (lead or colored)</li> </ul> </li> </ul>	<p>1 2/3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Silk fibers</b> (100x and 400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>red, blue and yellow fibers</i></li> <li>• <input type="checkbox"/> Slide information</li> <li>• <input type="checkbox"/> <u>Question 1</u>: List the order of the colored fibers from top to bottom.</li> </ul> </li> </ul>	<p>1</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Epithelium, simple squamous</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus</i></li> <li>• <input type="checkbox"/> Slide information</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Epithelium, stratified squamous</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i></li> <li>• <input type="checkbox"/> Slide information</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Epithelium, simple cuboidal</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i></li> <li>• <input type="checkbox"/> Slide information</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Epithelium, stratified cuboidal</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i></li> <li>• <input type="checkbox"/> Slide information</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Epithelium, simple columnar</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane</i></li> <li>• <input type="checkbox"/> Slide information</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Epithelium, pseudostratified columnar (ciliated)</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>free edge, epithelial cell, nucleus, basement membrane, cilia</i></li> <li>• <input type="checkbox"/> Slide information</li> <li>• <input type="checkbox"/> <u>Question 2</u>: Explain why this tissue is called <i>pseudostratified</i>.</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Connective tissue, areolar</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>fibroblast nucleus, elastic fibers, collagen fibers, ground substance</i></li> <li>• <input type="checkbox"/> Slide information</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Connective tissue, adipose</b> (400x)           <ul style="list-style-type: none"> <li>• <input type="checkbox"/> Drawings and Labels <i>adipocyte, nucleus, fat droplet</i></li> <li>• <input type="checkbox"/> Slide information</li> <li>• <input type="checkbox"/> <u>Question 3</u>: Explain why you cannot see any cytoplasmic details in these cells.</li> </ul> </li> </ul>	<p>3</p>
<ul style="list-style-type: none"> <li>• <input type="checkbox"/> <b>Connective tissue, dense regular</b> (400x)</li> </ul>	<p>3</p>

- Drawings and Labels  
*collagen fibers, fibroblast nucleus*
- Slide information
- **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 (400x)** 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