

**LAB IX – VERTEBRATE TISSUES**

*Instructions*

Use your observation of the material from the different stations and the Biology II lab manual to find answers to the questions. Draw what you see and make sure to label relevant structures and observations.

STATIONS	QUESTIONS	ANSWERS	DRAWING
<p style="text-align: center;"><b>I</b> <b>EPITHELIAL TISSUE</b> (VARIOUS STAINED SLIDES)</p>	<p>a) What are the different types of epithelial tissue? How are they distinguished from one another?</p> <p>b) Describe and name the possible shapes of cells found in epithelial tissue.</p> <p>c) What is the basement membrane?</p> <p>d) Where in the body can epithelial tissue be found?</p> <p>e) What are some functions of epithelial tissue?</p> <p>f) Identify, draw and label the epithelial tissues displayed</p>		
<p style="text-align: center;"><b>II</b> <b>MUSCLE TISSUE</b> (VARIOUS STAINED SLIDES)</p>	<p>a) What are the different types of muscle tissue? How are they distinguished from one another?</p> <p>b) Where in the body can muscle tissues be found?</p> <p>c) What are some functions of muscle tissue?</p> <p>d) Identify, draw and label the different types of muscle tissues displayed</p>		

**LAB IX – VERTEBRATE TISSUES**

*Instructions*

Use your observation of the material from the different stations and the Biology II lab manual to find answers to the questions. Draw what you see and make sure to label relevant structures and observations.

<p style="text-align: center;"><b>III</b> <b>NERVOUS TISSUE</b> (VARIOUS STAINED SLIDES)</p>	<p>a) What type of cells are found in nervous tissue? b) Where in the body is nervous tissue found? c) What are some functions of nervous tissue? d) Identify, draw and label a neuron and microglia</p>		
<p style="text-align: center;"><b>IV</b> <b>CONNECTIVE TISSUE</b> (VARIOUS STAINED SLIDES)</p>	<p>a) List all the different types of connective tissues and provide a description that defines all of them. b) Name the cells found in each type of connective tissue. c) Where can you find connective tissue? d) List at least 5 functions of connective tissues. e) Identify and draw 2 -3 connective tissues and label them</p>		
<b>GENERAL QUESTIONS RELATIVE TO STATIONS I TO IV</b>		<b>ANSWERS</b>	
<ol style="list-style-type: none"> <li>1. What is the study of tissues called?</li> <li>2. Describe the steps involved in preparing a tissue for microscopy and explain the function of each.</li> <li>3. Which tissues can regenerate, and which ones cannot?</li> <li>4. What is collagen and where is it found?</li> <li>5. How are the fibers found in muscle tissue different than those found in connective tissue?</li> <li>6. Explain the relation between cells, tissues, and organs.</li> </ol>			