

Name: \_\_\_\_\_

### Lab 3 Tissue Review

Fill out the following charts to help you review the tissues.

**Table 1 – Epithelial Tissues**

Tissue	# layers	Cell shape	Locations in body	Functions	Additional features <sup>1</sup>
Simple Squamous Epithelium					
Simple Cuboidal Epithelium					
Simple Columnar Epithelium					goblet cells, microvilli
Pseudostratified Columnar Epithelium					goblet cells, cilia
Stratified Squamous Epithelium					
Stratified Cuboidal Epithelium					
Stratified Columnar Epithelium					
Transitional Epithelium					

<sup>1</sup> Be able to identify nuclei, apical surface and basement membrane for all of these tissues

**Table 2 – Muscle & Nervous Tissues**

Tissue	Cell size & shape <sup>1</sup>	# of nuclei <sup>2</sup>	Special features <sup>3</sup>	Control <sup>4</sup>	Locations
Skeletal Muscle <sup>5</sup>					
Cardiac Muscle					
Smooth Muscle <sup>5</sup>					
Nervous					

<sup>1</sup> Describe shape of cells/fibers

<sup>2</sup> Number of nuclei per fiber: one or multiple

<sup>3</sup> Include striations, intercalated disks, processes, glial cell nuclei and any features useful for identification

<sup>4</sup> Voluntary or involuntary

<sup>5</sup> You are responsible for knowing these tissues in the intact organ (both in longitudinal and transverse sections) as well as teased fibers