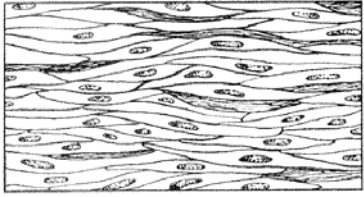
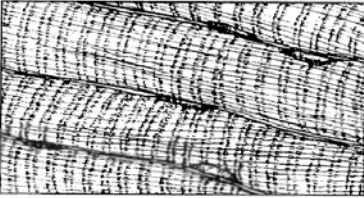
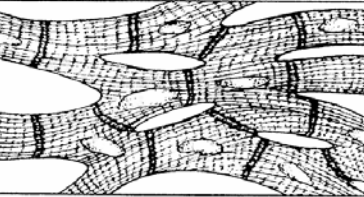


**Section 4.3, 4.4, & 4.5- Muscle, Nervous, Junctions, Glands, & Membranes
Regular Anatomy**

Fill in the table below by identifying the name of the muscle tissue, one location in the body, and its functions.

		Name of CT	Location in Body (1)	Functions
Muscle Tissue				
				
				

1. Below, list each muscle under the correct heading based on voluntary or involuntary muscle control.

Voluntary

Involuntary

2. Explain the meanings of voluntary and involuntary control of muscle contractions.

3. Below, list each muscle under the correct heading based on the number of nuclei it contains.

Multinucleated

Single Nuclei

4. Below, place the correct muscle type underneath its description of its cell shape.

Branched

Cylindrical

Spindle

Using different colors and the list below, color and label the different parts of a neuron..

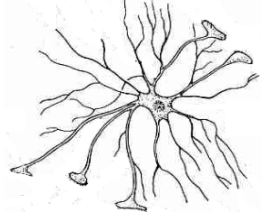

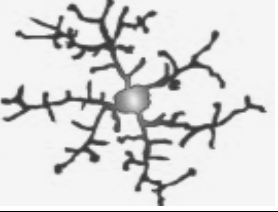
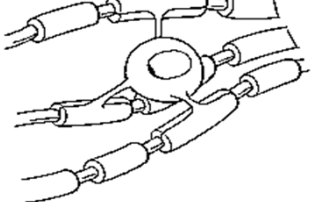
- Dendrite
- Axon
- Axon terminal
- Nucleus
- Myelin sheath
- Node of Ranvier
- Cell body



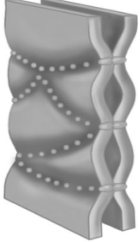
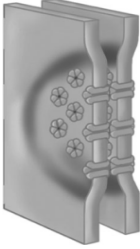
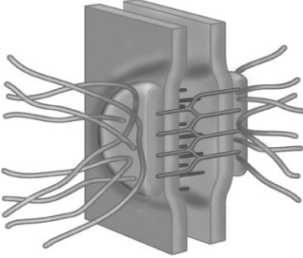
Fill in the correct name of the part of a neuron based on the given description of its function..

Part of the Neuron	Description of Function
	Contains the nucleus and most of the cytoplasm of the neuron
	Conducts and transmits nerve impulses
	Collects signals from sensory receptors or the axons of other neurons

1. Nervous tissue cells whose function is to receive, create, and transmit electrical impulses are called _____.
2. Bundles of long axons are called _____.
3. Nervous tissue cells whose function is to support and nourish neurons are called _____.
 - a. Fill in the correct name of the neuroglial cell based on the given description.

Neuroglial Cell		Description
		
		
		
		

Fill in the table below by identifying the name of the cellular junction, one location in the body, and its functions.

	Cellular Junction	Location in Body (1)	Functions
			
			
			

- _____ are a specialized tissue that consists of one or more cells that produce and secrete product.
- Distinguish the main difference between an exocrine gland and an endocrine gland.

Fill in the correct name of the membrane based on the given description of its function.

Membrane	Description of Function
	Lines freely movable joint cavities. Secretes a fluid that lubricates the ends of bones. Made of connective tissue.
	Lines the interior walls of organs and tubes that open to the outside of the body. Consists of an epithelium that contains goblet cells.
	The skin. Forms the outer covering of the body. Made of stratified squamous keratinized epithelial tissue and dense irregular connective tissue.
	Lines cavities and outer wall of organs. Consists of a visceral and parietal membrane made of simple squamous epithelial tissue.
	Connective tissue that covers and protects the brain and spinal cord.