

Week 4, Part 2: Histology

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Chapter 4: Sections 4.6-4.9

1. What is the primary function of muscle tissue? **contraction**
2. Fill in the following chart for the three muscle tissue types:

Muscle Tissue Type	Locations	Functions
Skeletal	Combined with connective tissue and nervous tissue in skeletal muscles	Moves or stabilizes the position of the skeleton
Cardiac	Heart	Circulates blood; maintains blood pressure
Smooth Muscle	Found in the blood vessels and in digestive, respiratory, urinary, and reproductive organs	Moves food, urine, reproductive tract sections; controls diameter of respiratory passageways; regulates diameter of blood vessels

3. Which muscle types are striated? **Skeletal muscle**
4. Which muscle type is voluntary? **Skeletal muscle tissue**
5. What is the primary function of nervous tissue? Movement of electrical impulses from one region of the body to another
6. What are the two types of cells in nervous tissue? **neurons** **neuroglia**
7. List and briefly describe the two phases in the response to tissue injury:
 - a. **Inflammation: coordinates the activities of several different tissues**
 - b. **Regeneration: damaged tissues are replaced or repaired to restore normal function**
8. List the four signs of inflammation:
 - a. **swelling**
 - b. **redness**
 - c. **heat**
 - d. **pain**
9. What are the two effects of age on body tissues?

Histology Study Guide Answers

D Kirk



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