

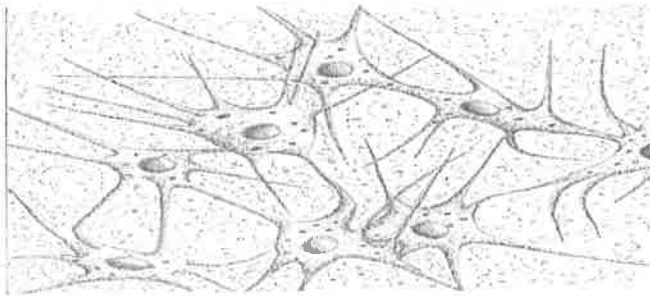
Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

### MUSCLE & NERVE TISSUE WORKSHEET

**Directions:** Complete the chart with the characteristics of each of the following tissue:

Characteristics	Skeletal muscle	Smooth muscle	Cardiac muscle
Shape of cells			
Number of nuclei			
Presence of striations			
Location in the body			
Type of movement			
Presence of intercalated disks			

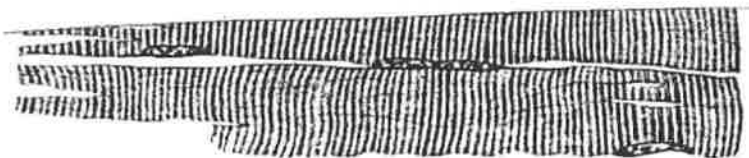
Identify the following pictures of the muscle and nervous tissues:



\_\_\_\_\_



\_\_\_\_\_



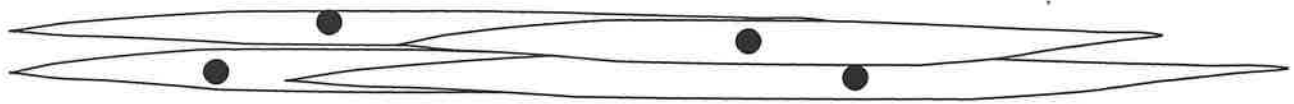
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**Circle or underline the correct answer(s):**

- 1) Cells are long, cylindrical in shape with many nuclei in: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle / dense fibrous / transitional
- 2) Cells appear striated (striped) in appearance under the microscope in: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle / hyaline cartilage / areolar /
- 3) The tissue with small spindle-shaped cells is: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle / bone / blood /
- 4) Tissue mostly under our voluntary control is: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle /
- 5) The tissue that is represented below is: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle /



- 6) The cell shown below can be found in: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle /



7. The tissue that is able to contract and is found in many internal organs, such as the stomach is: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle /
8. You cannot make it contract whenever you want: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle / epithelial tissue / connective tissue
- 9) The tissue characterized by cells that carry signals rapidly between body parts is: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle /
- 10) Cells are tightly connected by intercalated disks in: nervous tissue / smooth muscle / cardiac muscle / skeletal muscle /

**Answer the following questions:**

11. In what ways are nerve cells similar to other cells?
12. In what ways are nerve cells different from other cells?
13. How do nervous tissue and muscle tissue work together?