

NERVOUS TISSUE AND NERVES

PART A

Match the terms in column A with the descriptions in column B. Place the letter of your choice in the space provided.

Column A	Column B
a. Astrocyte	_____ 1. Sheath of Schwann cell containing cytoplasm and nucleus that encloses myelin
b. Axon	_____ 2. Network of fine threads within a nerve fiber
c. Dendrite	_____ 3. Substance of Schwann cell composed of lipoprotein
d. Interneurons	_____ 4. Neuron process with many branches that conducts impulse toward the cell body
e. Microglial cell	_____ 5. Star-shaped neuroglial cell between neurons and blood vessels
f. Motor (efferent) neuron	_____ 6. Nerve fiber arising from slight elevation of the cell body that conducts impulse away from the cell body
g. Myelin	_____ 7. Transmits impulse from sensory to motor neuron
h. Neurilemma	_____ 8. Transmits impulse out of brain or spinal cord to effectors
i. Neurofibrils	_____ 9. Transmits impulse into brain or spinal cord from receptors
j. Oligodendrocyte	_____ 10. Myelin-forming neuroglial cell in brain and spinal cord
k. Sensory (afferent) neuron	_____ 11. Phagocytic neuroglial cell

PART B

1. Sketch and label a single motor neuron.

2. Sketch and label a single sensory neuron cell body.

3. Sketch a single neuroglial cell.

4. Sketch and label a single nerve fiber with Schwann cell (cross section).

5. Sketch and label a single nerve fiber with Schwann cell (longitudinal section).