

Name \_\_\_\_\_

Period \_\_\_\_\_

Ms. Foglia

Date \_\_\_\_\_

### AP: CHAPTER 48: NERVOUS SYSTEM

1. Describe the typical nerve pathway.

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2. Trace the reflex pathway by naming the structures.

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3. How are "messages" carried...

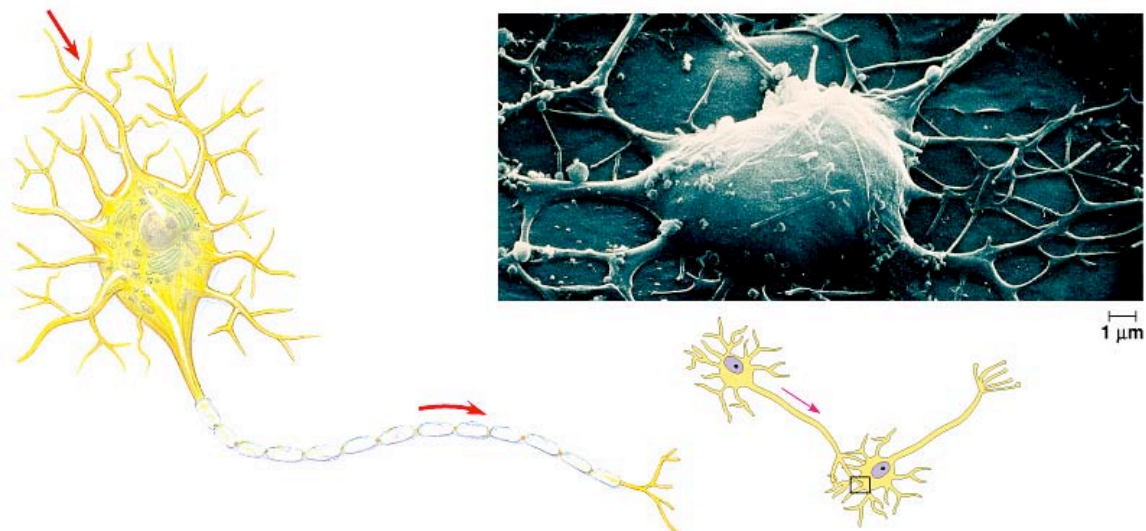
a. in neurons \_\_\_\_\_

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b. between neurons \_\_\_\_\_

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4. Review the structures of the motor neuron.

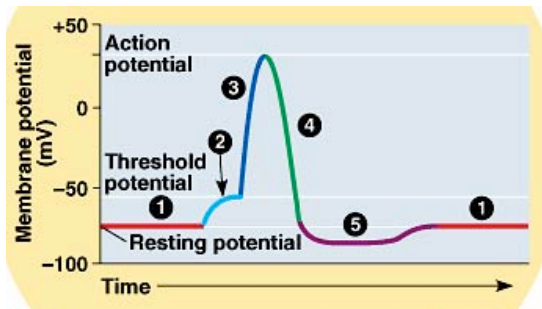


5. How does the neuron maintain a -70 mV potential?

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6. Detail the stages of the "action potential." Use the graph and indicate what is happening at the membrane in each stage.



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7. How does an impulse propagate down the axon?

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8. Describe what happens when an impulse reaches the terminal end.

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9. Describe what happens at the synapse. \_\_\_\_\_

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10. What occurs with the many synaptic inputs on a cell body? (graded potentials and threshold)

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11. Trace the variations in nervous systems in the animal kingdom.

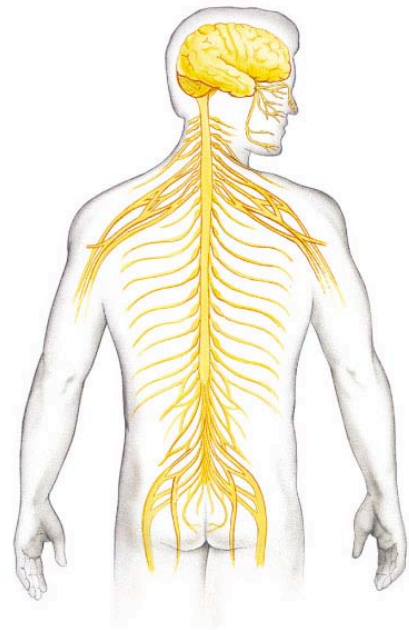
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12. Label the diagram of the human nervous system and indicate the functions of each.

Include:

- CNS
- PNS
- sensory
- motor
- automatic
- motor
- sympathetic
- parasympathetic



13. How do the sympathetic and parasympathetic work together?

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14. List the major components of the human brain and indicate their functions.

