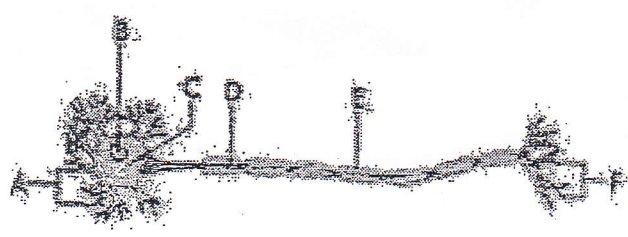


Date: _____

NAME: _____

1. Identify the various parts of the neuron.



- A _____
- B _____
- C _____
- E _____
- F _____

2. Match each of the words in the left column to their proper definition in the right column.

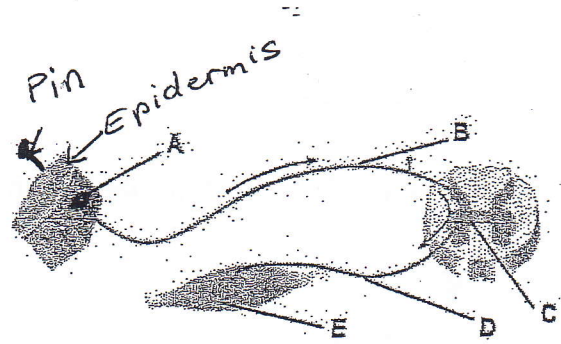
| | |
|----------------|---|
| Neuron | Anything that can be perceived by a living organism |
| Nervous system | Electrical signal transmitted by a neuron |
| Stimulus | Specialized cell that receives and transmits message |
| Nerve impulse | System that receives, transfers and transmits information |

3. Give two differences between the peripheral Nervous system and the central nervous system

4. Explain how a Nerve impulse travels through a neuron

5. Explain the pathway followed by the nervous impulse (from our hand to the arm muscles) when as a reflex, we jerk our hand away from a hot stove.

5. b) Identify the letters in the reflex shown.



A. _____ B _____

C. _____ D _____

E. _____

6. A person hears a very loud sound and takes a step back to move away from it. Place in order the structures through which the nervous impulse will travel.

| | | |
|---------------|------------------------|----------|
| Sensory nerve | Central nervous system | Stimulus |
| Motor nerve | Sensory receptors | Muscles |
| _____ * | _____ * | _____ |
| * _____ | * _____ | _____ |
| * _____ | * _____ | _____ |

7. Match the following types of movements to the corresponding situations listed below.

A. Voluntary movement B. Involuntary movement C. Reflex

- a) Withdrawing your hand from a hot barbecue grill _____
- b) Motions of the digestive system to digest an ice cream cone _____
- c) Reading an adventure novel _____
- d) Protecting your head when near a falling object _____
- e) Turning your head to see a friend _____
- f) Breathing during sleep _____

8. Identify the following:

- a) I receive messages and transform them into nerve impulses. _____
- b) I transmit nerve impulses _____
- c) Nerve impulses travel through my long neuron extensions. _____
- d) I am the junction between two neurons. _____