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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

The Neuron

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|  |  | 1  A |  | 2  S | E | N | S | O | R | Y | N | E | U | R | O | N | S |  |  |
|  |  | L |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  N |  | L |  |  |  |  |  |  |  |  | 4  R |  |  |  |  |  |  |  | 5  R |
| E |  | O |  | 6  P | O | L | A | R | I | Z | E | D |  |  |  |  | 7  A |  | E |
| U |  | R |  |  |  |  |  |  |  |  | F |  |  | 8  M |  |  | C |  | S |
| R |  | N |  |  |  |  |  |  |  |  | R |  |  | O |  |  | T |  | T |
| O |  | O |  |  |  |  |  |  |  |  | A |  |  | T |  |  | I |  | I |
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| R |  | H |  |  |  | H |  |  | Y |  | T |  |  | R |  |  | N |  | G |
| A |  | I |  |  |  | R |  |  | E |  | O |  |  | N |  |  | P |  | P |
| N |  | N |  |  | 11  D | E | P | O | L | A | R | I | Z | E | D |  | O |  | O |
| S |  | G |  | 12  D |  | S |  |  | I |  | Y |  |  | U |  |  | T |  | T |
| M |  | R |  | E |  | H |  |  | N |  | P |  |  | R |  |  | E |  | E |
| I |  | E |  | N |  | O |  |  | S |  | E |  |  | O |  |  | N |  | N |
| T |  | S |  | D |  | L |  |  | H |  | R |  |  | N |  |  | T |  | T |
| T |  | P |  | R |  | D |  |  | E |  | I |  |  | S |  |  | I |  | I |
| E |  | O |  | I |  |  |  |  | 13  A | X | O | N |  |  |  |  | A |  | A |
| R |  | N |  | T |  |  |  |  | T |  | D |  |  |  |  |  | L |  | L |
| S |  | S |  | E |  |  |  |  | H |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **2.** Neurons that carry information coming to the brain and spinal cord  **6.** Happens when Sodium is on the outside and Potassium is on the inside  **11.** Sodium inside and Potassium on the outside  **13.** This part of the Neuron passes messages from the cell body to glands, muscles or other Neurons  **14.** The space between the axon tip of the sending Neuron and the dendrite of the receiving Neuron | **Down**  **1.** Do or don't there is no try  **3.** The messenger between sending and receiving neurons, this crosses the synaptic gap between Neurons  **4.** The period of time in which action cannot take place as a result of recent action  **5.** When the Neuron is not sending a signal on the Axon  **7.** an electrical current caused by depolarizing current. Neuron sending information away from the cell body  **8.** The opposite of Sensory Neurons, this carries information from the brain and spinal cord to muscles and glands  **9.** The stimulation level needed to trigger or cause a neural impulse  **10.** Covers the Axon of the Neuron, accelerating neural impulses  **12.** What part of the Neuron receives messages from other cells |