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Ch. 9 Anatomy Vocab

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|  |  |  |  |  |  |  | 1  S |  |  |  |  |  |  | 2  M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 3  M | O | T | O | R | N | E | U | R | O | N | S |  | Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | N |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | S |  |  |  |  |  |  | L |  | 4  S |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | O |  |  |  |  |  | 5  B | I | P | O | L | A | R |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | R |  |  |  |  |  |  | N |  | M |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Y |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 6  S |  |  |  |  | 7  P | N | S |  |  |  |  |  | 8  R |  | T |  | 9  M |  |  |  | 10  N |  |  |  |  |  |  |  |
|  | E |  |  |  |  |  | E |  |  |  |  |  |  | E |  | I |  | U |  |  |  | O |  |  |  |  |  |  |  |
|  | N |  |  |  | 11  N |  | U |  |  | 12  O |  |  |  | S |  | C |  | L |  | 13  N |  | D |  |  |  |  |  |  |  |
|  | S |  |  | 14  N | E | U | R | O | G | L | I | A |  | T |  | N |  | T |  | 15  E | P | E | N | D | Y | M | 16  A | L |  |
|  | O |  |  |  | U |  | O |  |  | I |  |  |  | I |  | E |  | I |  | R |  | S |  |  |  |  | S |  |  |
|  | R |  |  |  | R |  | N |  |  | G |  |  |  | N |  | R |  | P |  | V |  | O |  |  |  |  | T |  |  |
|  | Y |  | 17  A | X | O | N | S |  |  | O |  | 18  N |  | G |  | V |  | O |  | 19  E | F | F | E | C | T | O | R | S |  |
|  | R |  |  |  | F |  |  |  |  | D |  | E |  | P |  | O |  | L |  | I |  | R |  |  |  |  | O |  |  |
|  | E |  |  |  | I |  |  |  |  | E |  | U |  | O |  | U |  | A |  | M |  | A |  |  |  |  | C |  |  |
|  | C |  |  |  | B |  |  | 20  D | E | N | D | R | I | T | E | S |  | R |  | P |  | N |  |  |  |  | Y |  |  |
|  | E |  |  |  | R |  |  |  |  | D |  | O |  | E |  | S |  | N |  | U |  | V |  |  |  |  | T |  |  |
|  | P |  | 21  U | N | I | P | O | L | A | R |  | N |  | N |  | Y |  | E |  | L |  | I |  |  |  |  | E |  |  |
|  | T |  |  |  | L |  |  |  |  | O |  | S |  | T |  | S |  | U |  | S |  | E |  | 22  C |  |  | S |  |  |
|  | O |  |  |  | S |  | 23  M |  |  | C |  |  |  | 24  I | N | T | E | R | N | E | U | R | O | N | S |  |  |  |  |
|  | R |  |  |  |  |  | I |  |  | Y |  |  |  | A |  | E |  | O |  | S |  |  |  | S |  |  |  |  |  |
|  | S |  |  |  |  |  | C |  |  | T |  |  |  | L |  | M |  | N |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 25  N | E | U | R | O | L | E | M | M | A |  |  |  |  | 26  S | Y | N | A | P | S | E |  |  |  |  |  |
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|  |  |  |  |  | 27  C | E | L | L | B | O | D | Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 28  S | C | H | W | A | N | N | C | E | L | L | S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **3.** (efferent neurons) transmit impulses out of the brain or spinal cord to effectors; control muscle contraction and secretions of glands  **5.** type of neuron that have 2 processes, one arising from each of the cell body (1 axon, 1 dendrite)  **7.** composed of nerves and connects the CNS to other body parts  **14.** nervous tissue that provides physical support, insulation, and nutrients  **15.** form an epithelial like membrane that covers specialized brain parts and form inner linings that enclose spaces in the brain  **17.** extensions that send electro chemical info.  **19.** include muscles and glands whose actions are controlled or modified nerve impulses  **20.** extension of cell body that receive electro. chemical messages  **21.** type of neuron that have single processes extending from cell body that divide into 2 branches (peripheral process ad central process)  **24.** (assosciation neuron) found entirely within the brain or spinal cord and transmit impulses from one part of the brain or spinal cord to another  **25.** sheath that surrounds the myelin sheath  **26.** junction between two communicating neurons  **27.** rounded area on neurons  **28.** produce a myelin sheath around axons of neurons | **Down**  **1.** (afferent neurons) transmit nerve impulses from peripheral body parts into brain or spinal cord  **2.** mixture of proteins and lipids that form a white-ish insulating sheet around nerve fibers  **4.** controls skeletal muscle  **6.** gather info. by detecting changes inside and outside the body  **8.** potential difference between the region outside the membrane and inside the membrane  **9.** type of neuron that has many processes arising from their cell body (1 axon, the rest dendrites)  **10.** narrow gaps between schwann cells  **11.** a network of fine threads that form the cell body of a neuron  **12.** provide myelin sheath around axons in the brain and spinal cord  **13.** information in the form of electro. chemical changes  **16.** provide structural support, join parts by their cellular processes, and regulate concentrations of nutrients and ions  **18.** nerve cells  **22.** consists of brain and spinal cord  **23.** support neurons and phagocytize bacterial cells |