Neuroscience Exam 2 Review

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| **Across**  **4.** \_\_\_\_\_\_ motor neurons communicate with extrafusal muscle fibers.  **5.** \_\_\_\_\_\_ receptors adapt to a constant stimulus & stop responding for the entire duration.  **6.** Muscle tone is the resistance to \_\_\_\_\_\_\_ in a resting muscle.  **8.** The reticulospinal tract is a \_\_\_\_\_\_process for anticipatory use of information.  **11.**  Somatosensation is always \_\_\_\_\_ information.  **12.** The \_\_\_\_\_\_\_ cerebellar peduncle only deals with afferent information.  **14.** Motor tracts provide motor signals from the \_\_\_\_ to the spinal cord.  **17.** Muscle spindles provide sensory feedback on how hard a muscle is \_\_\_\_\_\_.  **18.**  Information in divergent relay pathways is transmitted with \_\_\_\_\_ fidelity.  **19.**  This is the ability to identify an object using touch and proprioceptive information.  **20.** The lateral \_\_\_\_\_\_\_ tract is the most important pathway for UE voluntary movement. | **Down**  **1.** The \_\_\_\_\_ spinocerebellar pathway transmits high-fidelity information from the LEs and lower trunk.  **2.** \_\_\_\_\_\_ & equilibrium is influenced by the vestibulocerebellum.  **3.** \_\_\_\_\_\_\_ receptors respond for the duration of time a stimulus is present.  **7.** The Z-line is the edge to edge length of a \_\_\_\_\_\_\_\_.  **9.**  Getting a flu shot is an example of \_\_\_\_\_ (or discriminative) nociception.  **10.** The \_\_\_\_\_ motor tracts are involved in posture & gross motor movements.  **13.**  \_\_\_\_\_\_ motor neurons are controlled by the cerebellum.  **15.** \_\_\_\_\_\_ relay pathways play a role in adjustments of movements that have been mastered and posture.  **16.** The \_\_\_\_\_\_ spinocerebellar tract crosses midline twice enroute to the cerebellum. |