Learning Targets:

Nervous System

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| I can: | Vocabulary |
| 1. Identify the main structures and understand their functions in the human nervous system.
2. Explain how an organism’s internal structures are adapted to allow specific functions.
3. Explain the levels of organization in the human body.
4. Compare the functions of a cell to the functions of the nervous system.
5. Demonstrate my understanding of the complementary nature of the nervous system to other systems and the whole organism.
6. Explain the process of homeostasis and give an example from the nervous system.
 | * neuron
* nerve impulse
* dendrite
* axon
* axon tip
* nerve
* synapse
* motor neuron
* sensory neuron
* interneuron
* central nervous system
* peripheral nervous system
* brain
* spinal cord
* cerebellum
* medulla
* cerebrum
* brain stem
 | * stimulus
* internal stimulus
* external stimulus
* response
* reflex
* autonomic
* somatic
* structure
* function
* reflex
* cornea
* lens
* pupil
* iris
* retina
* drug abuse
* alcoholism
* tolerance
* drug withdrawal
* homeostasis
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| TEKS7.10 The student knows that there is a relationship between organisms and the environment.7.12 The student knows that living systems at all levels of organization demonstrate the complementary nature of structure and function.712B The student can identify the main functions of the nervous system in humans.7.12C The student recognizes levels of organization in plants and animals, including cells, tissues, organs, organ systems, and organisms.7.13 The student knows that living organisms must be able to maintain balance in stable internal conditions in response to external and internal stimuli. |