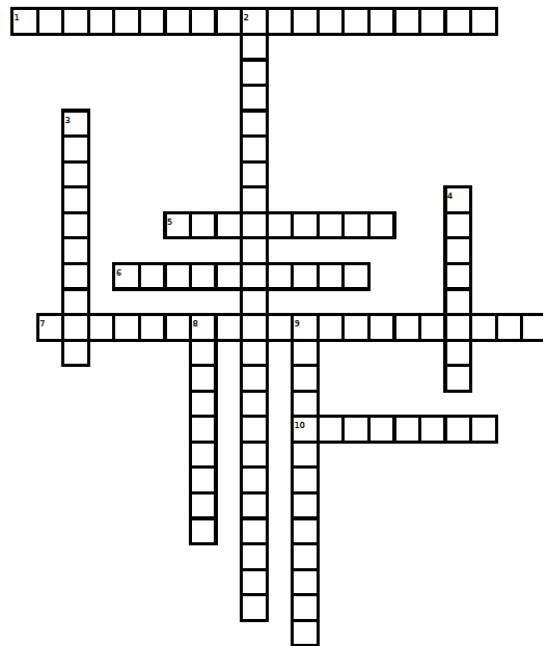


Remember

CNS



Down:

- 2. recognizes something by feel
- 3. coordination of movement
- 4. movement planning
- 8. sensory neurons do not pass through thalamus
- 9. feels someone poke your arm

Across:

- 1. recognizes your cell phone ring
- 5. recognize your name being called
- 6. creativity
- 7. recognizes lemon flavor
- 10. relay station for sensory information

Understand

For each of the following pairs, decide which is greater, and defend your choice.

- 1. A. the excitability of a cell when K⁺ leak channels are opened
B. the excitability of a cell when K⁺ leak channels are closed
- 2. A. speed of action potentials on pain fibers (small, unmyelinated)
B. speed of action potentials on touch fibers (large, myelinated)

Apply

3. After a fall from a ladder, Jorge seems in a daze. You have determined that he can still see, but Jorge is showing no sign of recognizing anyone around him. What brain area(s) may have been damaged? How could you further test your hypothesis?

4. Come up with some ways to test the functionality of each of these areas:

- A. olfactory association area
- B. primary auditory cortex
- C. somatosensory association cortex