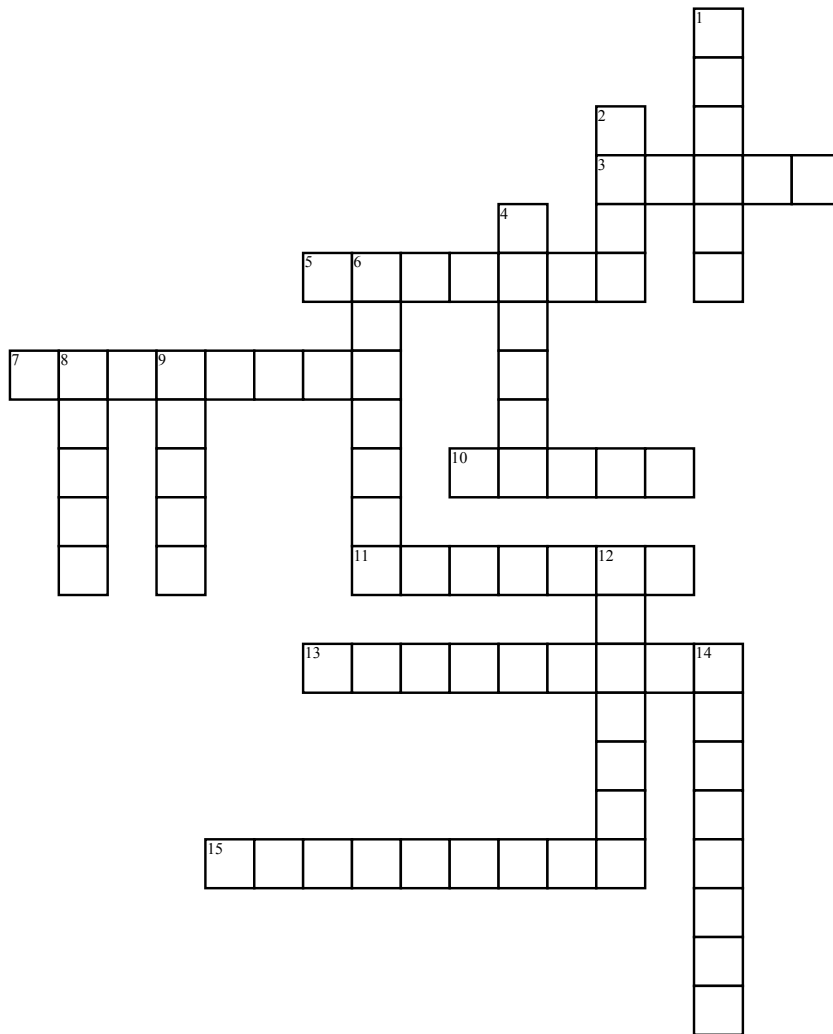


Reflex Arcs and Voluntary Reactions



Across

- 3. The connecting neuron, known as a neuron, is situated in the spinal cord
- 5. Pain receptors of the skin, initiate an in a sensory neuron (Step 2)
- 7. A dog accidentally steps on a pin, making contact with its paw. This is the and initiates the reaction process (Step 1)
- 10. Reflexes do not require involvement of the
- 11. It travels to the spinal cord where it passes over a gap called a (Step 3)
- 13. The reflex arc affects the inner organs

- 15. The path taken by the nerve impulses during a reflex

Down

- 1. This is called a An involuntary and nearly instantaneous movement in response to a stimulus (Step 6)
- 2. An unconscious body (or even drunk or drugged bodies) will not exhibit the reflex. True or False?
- 4. Voluntary reflexes are than involuntary.
- 6. This transmits the impulse to the of the limb, causing them to contract and pull away from the sharp object (Step 5)
- 8. Reflex arcs involve neurons

- 9. The relay neuron sends an impulse across a synapse to multiple neurons (Step 4)

- 12. the reflex arc affects the muscles
- 14. The Jendrassik maneuver is a medical maneuver where the patient flexes both sets of fingers into a hook-like form and interlocks those sets of fingers together, this prevents Inhibition of reflexes

Word Bank

Reflex Arc	Reflex	True	Stimulus	muscles
Brain	autonomic	Motor	Three	Impulse
Conscious	Relay	Slower	Synapse	somatic