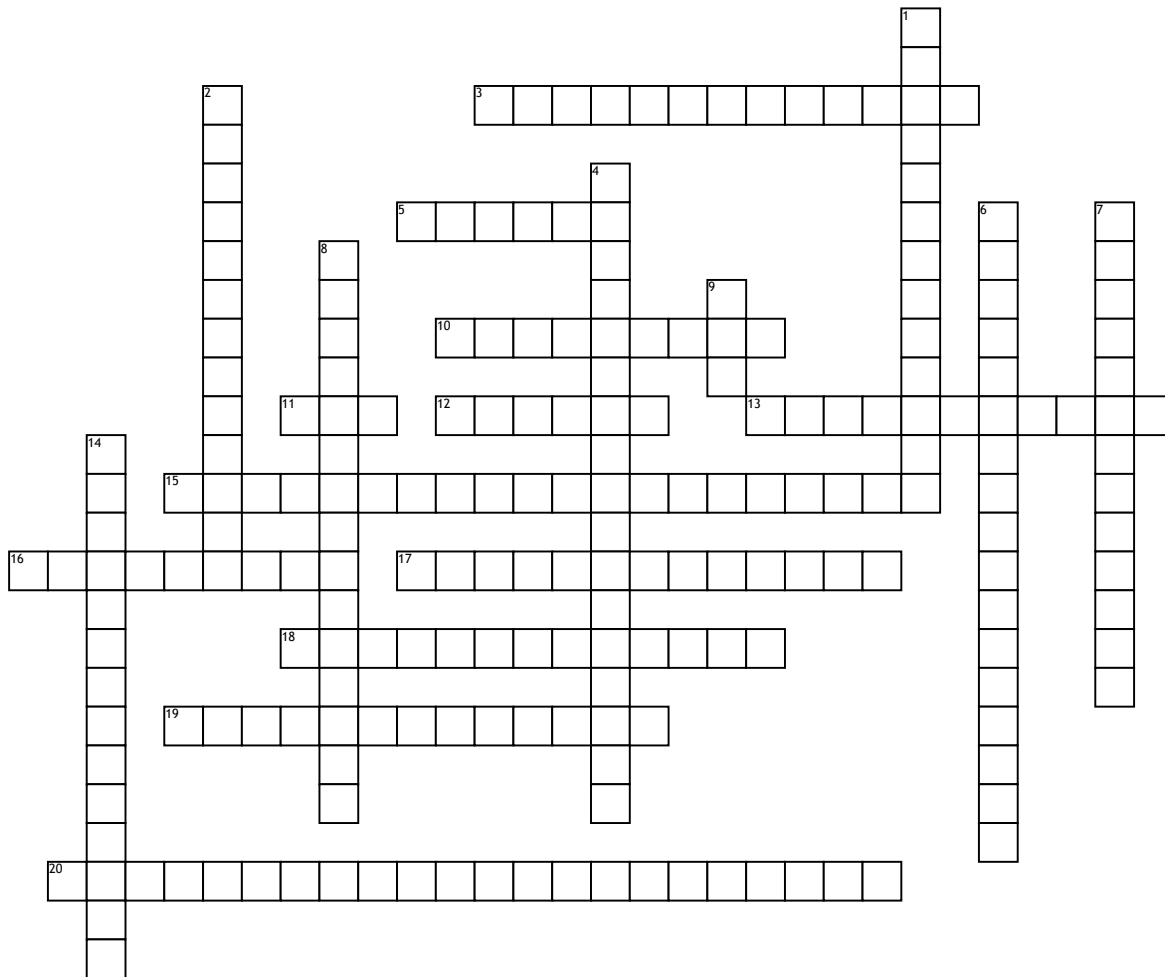


Language and Memory Crossword



Across

3. the idea that neurons form unique patterns or ratios that make up memories
 5. an enzyme that adds a phosphate
 10. activates AMPA and NMDA receptors
 11. "neurons that fire apart, wire apart"
 12. the physical location of a memory
 13. the part of the brain that is responsible for memory; where CA1 and CA3 neurons are located
 15. the skills and conditioned part of memory

16. this ion blocks NMDA receptors until the postsynaptic cell is partially depolarized
 17. allows the influx of sodium ions into the CA1 dendritic spine
 18. the vivid but fleeting type of memory
 19. the process that turns short-term memories to long-term memories
 20. when contextual information becomes associated with a separate stimulus

Down

1. similar to short-term memory, "mental sketch pad"

2. allows the influx of calcium ions into the CA1 dendritic spine
 4. the "facts and events" part of memory
 6. changes in synaptic strength that follow Hebb's rule
 7. this happens after the Mg²⁺ ion leaves the NMDA receptor
 8. this type of memory can last up to days, but is limited in capacity
 9. "neurons that wire together, fire together"
 14. most stable and limitless form of memory; subtypes of declarative and non-declarative memories