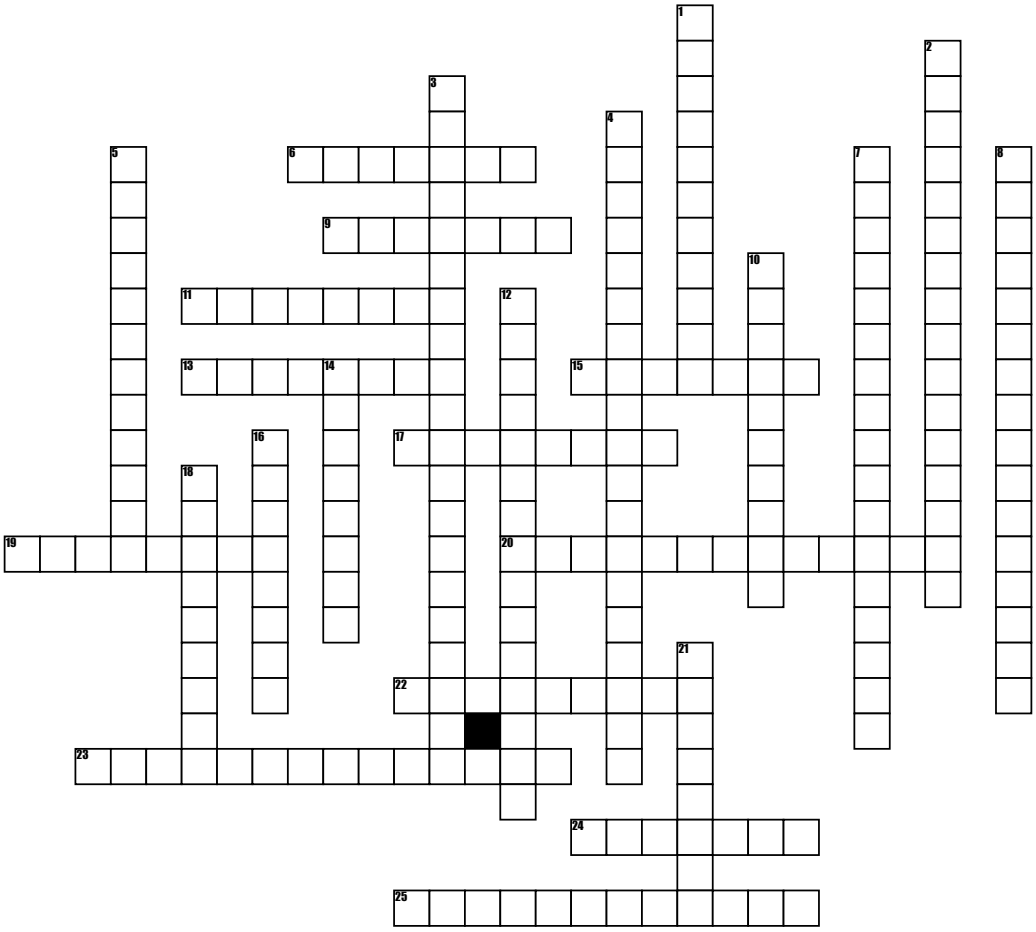
Name: _____ Date: _____

Brain Development Terminology Exam Prep



Across

6. _____ hotspots are responsible for generating pleasure in the brain.

9. Nerve cells that carry impulses throughout the brain.

11. _____ lobe is responsible to touch, taste, pain, pressure, etc.

13. An organic chemical released in the brains to trigger the reward system

15. The process of unused and/or unimportant brain cells being cut away.

17. _____ adulthood is the stage in ones development that is beyond childhood, but not yet into adulthood.

19. A _____ rush happens when drugs artificially flood the brain's synapses with dopemine.

20. The process of brain cells rapidly growing and making new connections.

22. The central stem connecting the brain to the spinal cord

23. The excessive production of dopemine in this area is directly related to the addictive natural of drugs

24. The small gap in between neurons that assist in transmitting messages from one cell to the next.

25. Responsible for regulating hormones within the brain.

Down

1. The formation of myelin sheath around nerve impulses.

2. The final step of the "reward system"; translates neurons into actions.

3. The origin/home of dopamine cells (and many others sensory neurons)

4. The main factor in the cognitive processing of decision-making

5. A collection of glands and cells that transmit sensory neurons into pleasure.

7. They carry the brain's nerve impulses across the synapses between cells to inhibit activity.

8. A lobe of the brain that controls decision making, personality expression, and social behavior.

10. Part of your body responsible for sending messages to the brain.

12. Responsible to accepting and transmitting released dopamine.

14. The brain doesn't reach full _____ until at least mid 20's.

16. Connects to various parts of the brain and replays information.

18. Brains cells on the receiving end the messages via synapses.

21. Helps regulate emotions, survival instincts, and memories.

Word Bank

Thalamus	Spinal cord	Proliferation	Brain stem	Ventral Pallidum
Ventral Tegmental Area	Synapse	Hedonic	Prefrontal Cortex	Neurons
Reward system	Neurotransmitters	Maturity	Myelination	Dorsal Striatum
Parietal	Emerging	Receptors	Nucleus accumbens	Hypothalamus
Amygdala	Pruning	Orbitofrontal Cortex	Chemical	Dopamine