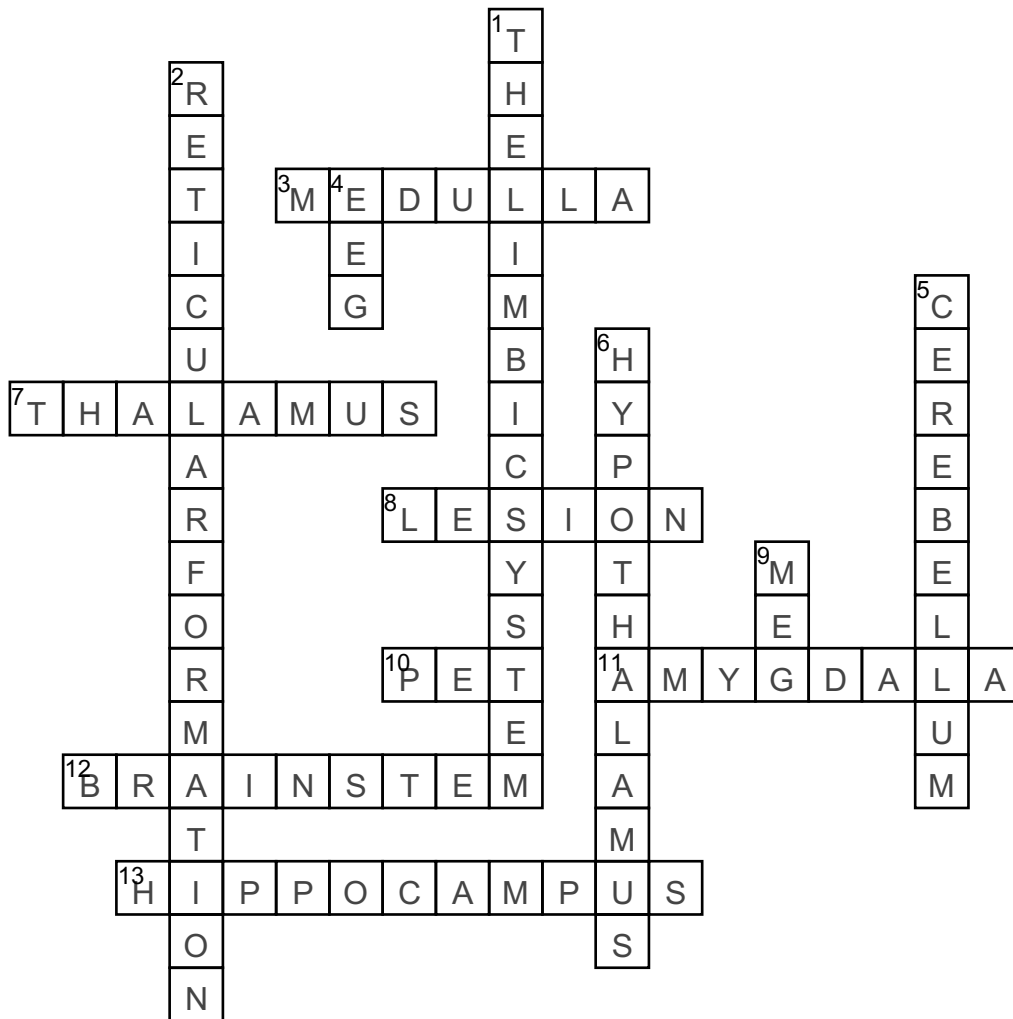


Biological Bases of Behavior



Across

- 3. Base of the brainstem; controls heartbeat is responsible for automatic survival
- 7. The brain's sensory control center located on the top of the brainstem; directs messages to the sensory receiving areas in the cortex and transmits replies to the cerebellum and medulla
- 8. Tissue destruction. Naturally or experimentally cause destruction of brain tissue
- 10. A visual display of brain activity that detects radioactive form of glucose goes while the brain performs a given task.
- 11. Two lima bean sized neural clusters; linked to emotion
- 12. The oldest part and central core of the brain, beginning where the spinal cord swells as it enters the skull.
- 13. A neural center located in the limbic system; helps process for storage memories of facts and events.

Down

- 1. Neural system located below the cerebral hemispheres; associated with emotions and drives.
- 2. A nerve network that travels through the brainstem into the thalamus and plays a role in controlling arousal.
- 4. Amplified recording of the waves of electrical activity sweeping
- 5. The little brain at the rear of the brainstem; functions include processing sensory input, coordinating movement output and balance, and enabling nonverbal learning and memory.
- 6. Small structure helps keep the body's internal environment in a steady state. Controls the pituitary gland.
- 9. Brain imaging technique that measures magnetic fields from the brain's natural electrical activity.

Word Bank

- | | | | |
|--------------|-------------|---------------------|------------|
| Amygdala | MEG | Medulla | Lesion |
| Hypothalamus | Hippocampus | Reticular Formation | Cerebellum |
| EEG | Thalamus | The Limbic System | PET |
| Brainstem | | | |