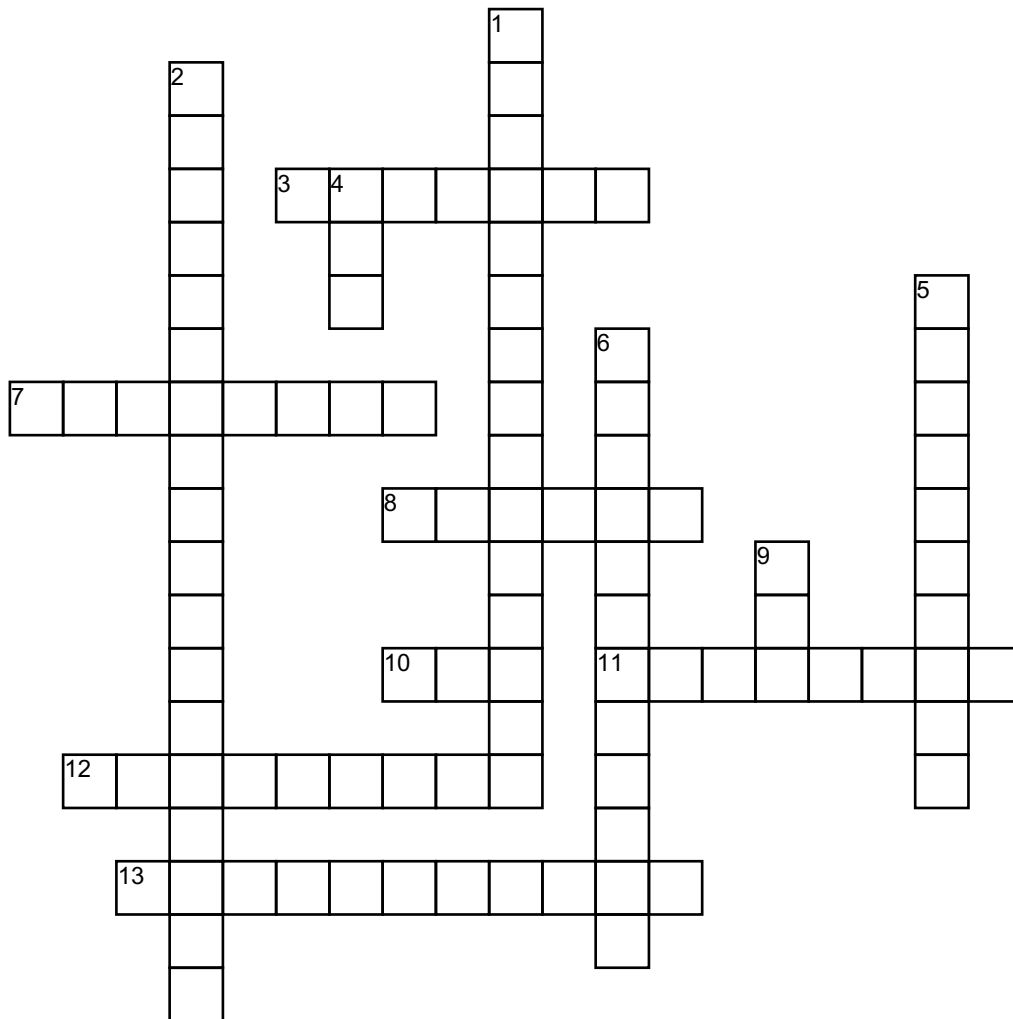


Biological Bases of Behavior



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 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 across the brain's surface.
- 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

Hippocampus
 Hypothalamus
 Reticular Formation
 Cerebellum

Amygdala
 PET
 Lesion

EEG
 Brainstem
 MEG

Thalamus
 The Limbic System
 Medulla