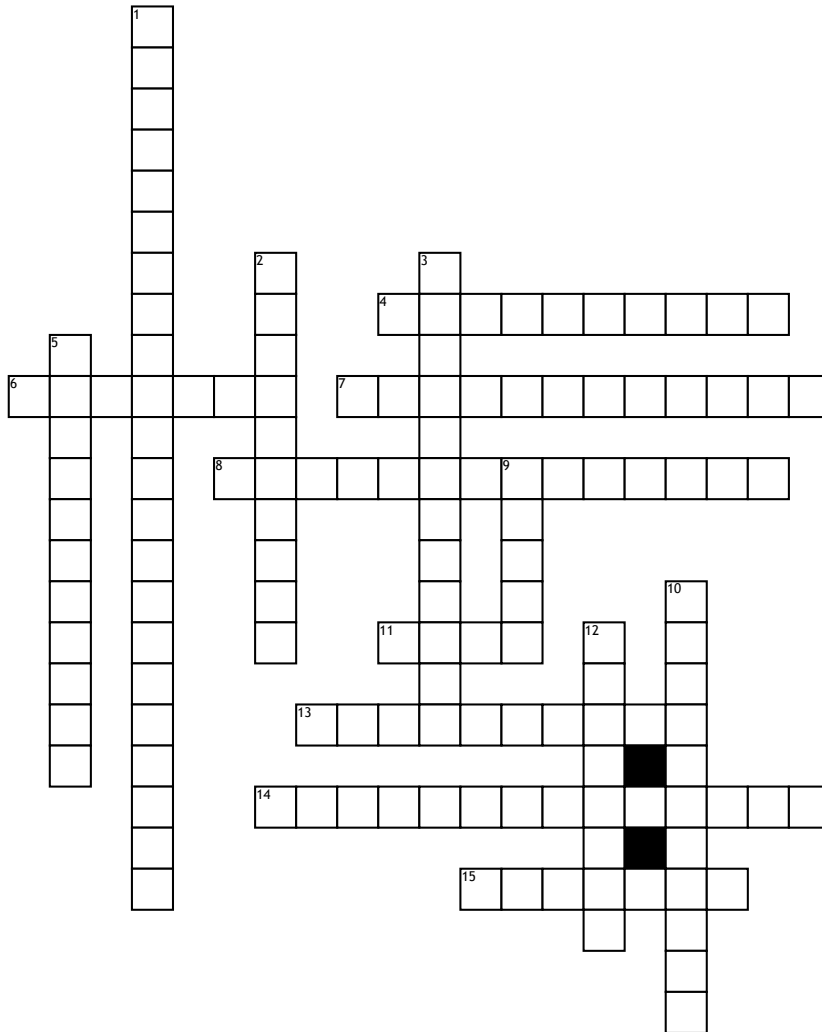


Brain Parts and How They Work



Across

4. One half of the cerebral cortex. Each half controls the opposite side of the body

6. A depression marking off an area of the cerebral cortex

7. Part of the lower brain that regulates basic needs such as hunger and thirst and emotions

8. Outer most part of the brain that controls high level thinking

11. Regulates body movement, attention, sleep, and alertness

13. Regulates basic functions such as breathing

14. Part of the frontal lobe that enables us to re-experience personal past events

15. Involved in heart rate, blood pressure, and breathing

Down

1. Engages in elaborate associations or mental connections and integrates personality and informing complex thoughts

2. Involved in balance and coordination

3. Responsible for hearing and some speech functions

5. Involved in forming memories

9. Major divisions of the cerebral cortex

10. Contains motor strip, prefrontal area and frontal association area

12. Part of the lower brain that functions primarily as a central relay station for incoming and outgoing messages from the body to the brain

Word Bank

Prefrontal area

Lower Brain

Cerebral cortex

Hippocampus

Frontal Lobe

Temporal Lobe

Pons

Fissure

Lobes

Hemisphere

Cerebellum

Frontal association area

Hypothalamus

Thalamus

Medulla