



#### Across

5. Outer layer of the brain involved in higher functions
6. Central pathway transmitting signals between brain and body
9. Automatic response to a stimulus without conscious thought
10. Lower brain area that controls vital involuntary actions

#### Down

1. Branch-like extensions that receive signals
2. Structure that coordinates balance and movement
3. Fatty sheath that speeds up electrical transmission
4. Region essential for forming new memories
7. Support cells that maintain the neural environment
8. Long fiber that carries impulses away from a cell body