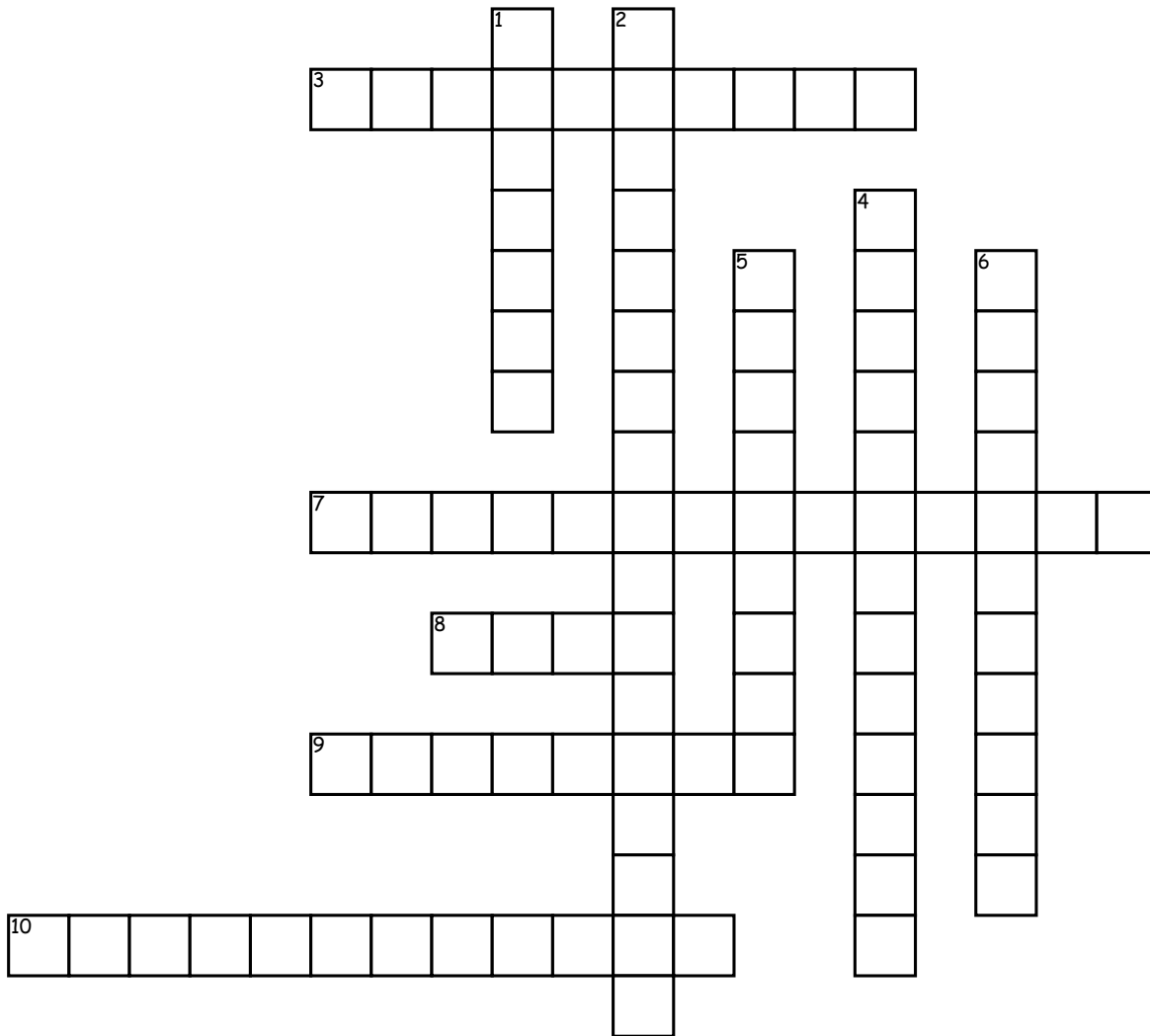


# Nervous System



## Across

3. second largest part of the brain; located at the back of the skull; coordinates balance and movement
7. relays messages, processes information; and analyzes information
8. long fiber that carries impulses away from the cell body
9. largest part of the brain; responsible for voluntary and educated actions; divided into frontal, parietal, occipital, and temporal lobes
10. control center for recognition of hunger and thirst; coordinates nervous and endocrine systems

## Down

1. cells that transmit impulses
2. all neurons in the rest of the body that are not included in the brain or spinal cord
4. bathes brain and spinal cord in fluid; acts as a shock absorber; allows for exchange of nutrients and waste between blood and nervous tissue
5. connects brain to the spinal cord; controls information going in and out of the brain; controls involuntary actions
6. the process by which organisms keep internal conditions constant despite external changes