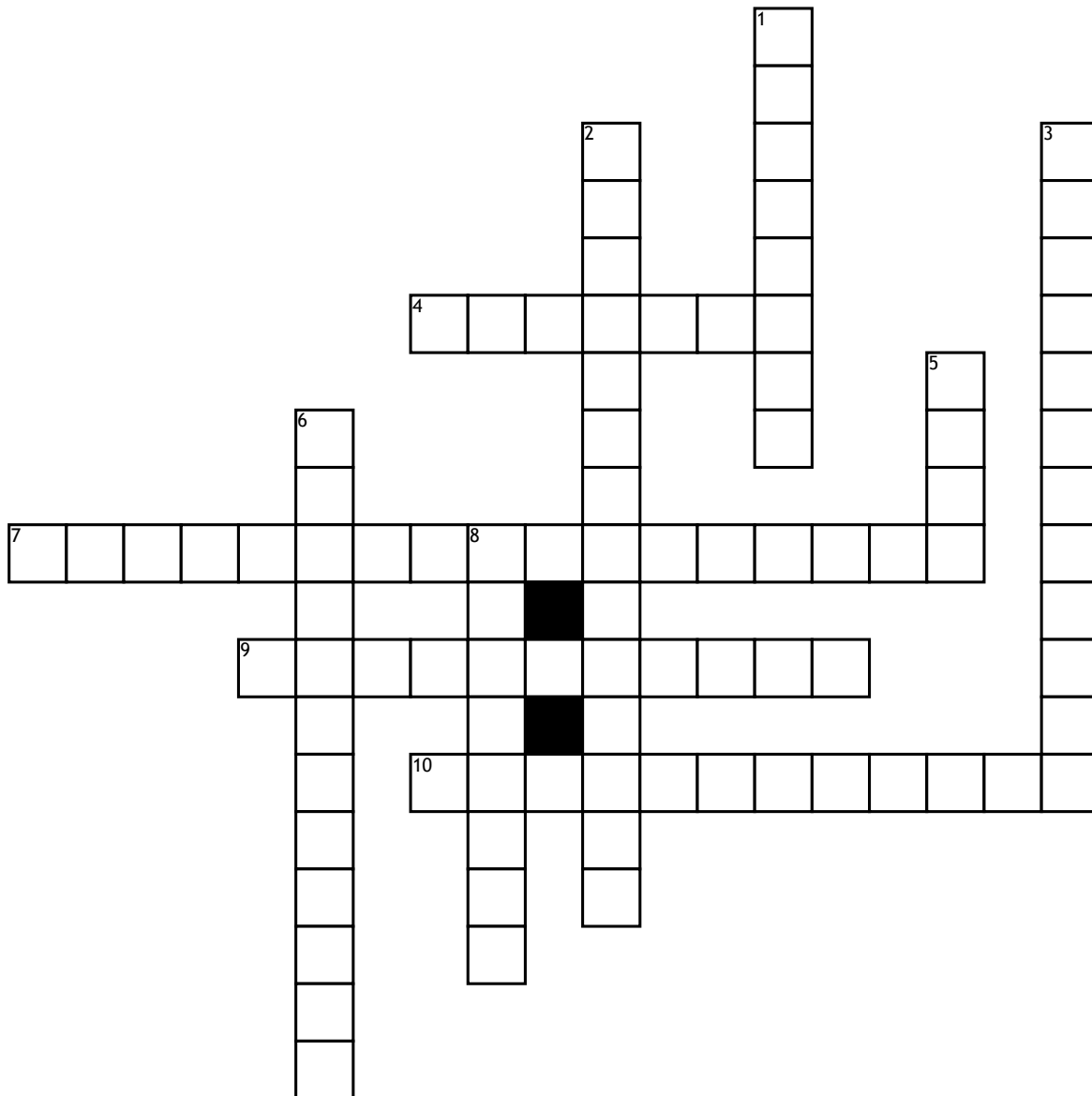


# Deep Brain Structures



## Across

4. Connects brain stem and spinal cord and contains nuclei controlling heart rate and respiration.

7. Pathways connecting different cortex areas to each other.

9. Secretes melatonin to help regulate body clock and circadian rhythms.

10. Nuclei including caudate, putamen, globus pallidus, substantia nigra and subthalamic nucleus.

## Down

1. Uppermost portion of brain stem, contains the Substantia Nigra.

2. Controls other endocrine glands and secretes hormones for sexual development, bone and muscle growth, stress response.

3. Pocket at skull base containing the pituitary gland.

5. Contains nuclei for autonomic functions ie respiration, bladder control, swallowing. Relays info to the cerebellum.

6. Includes amygdala, hypothalamus, cingulate gyri and hippocampus.

8. Relays information coming in and out of the cortex.