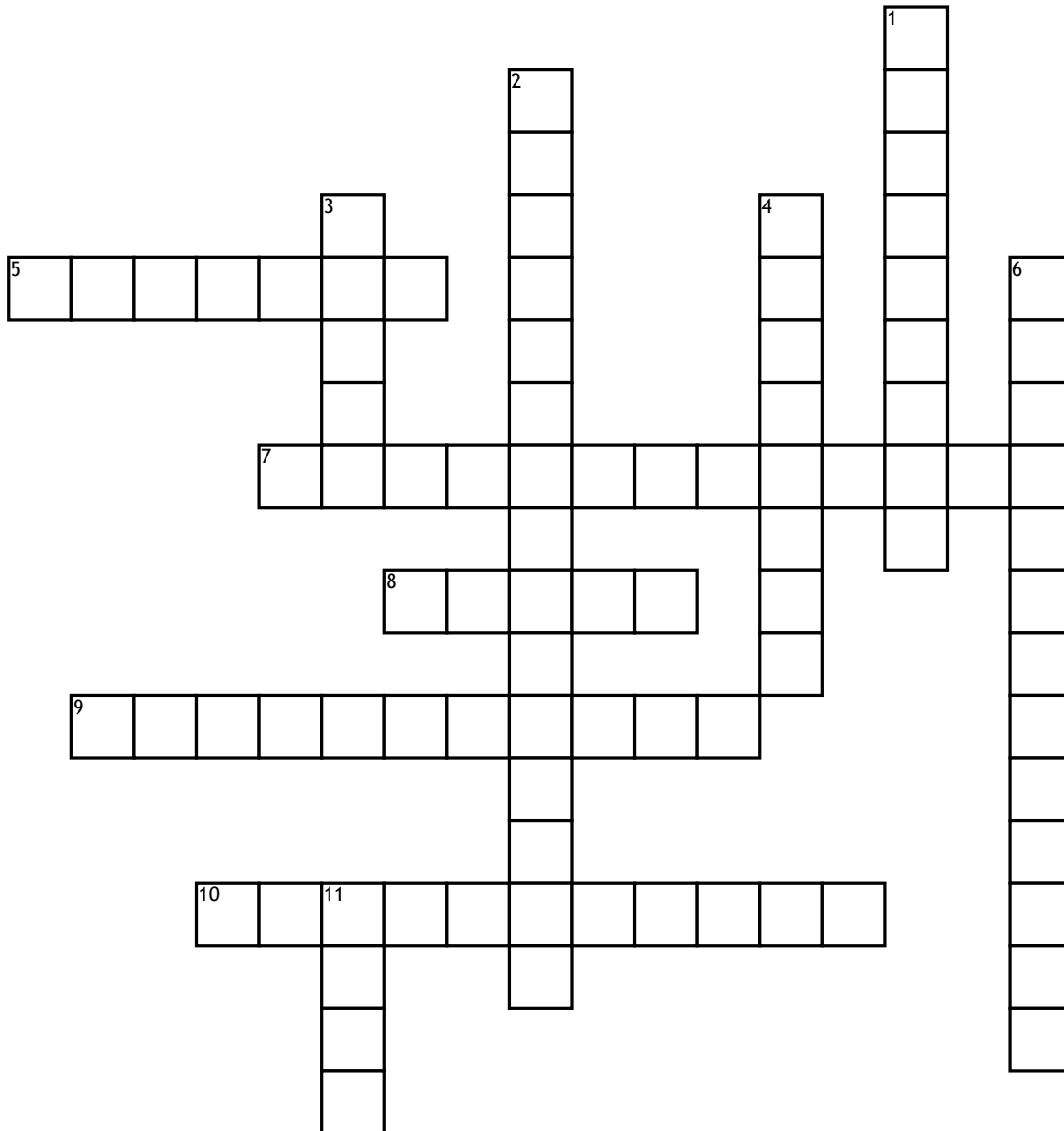


Name: _____

Date: _____

Nerve Impulses



Across

5. Names of the small gaps found between the Schwann cells - Nodes of
7. Narrow gap between the sensory axon and a motor dendrite
8. Name given to openings in the cell membrane which can be opened and closed to regulate the flow of ions across the cell membrane
9. Some of these are permanently open to allow a constant diffusion of ions across the cell membrane
10. When the inside of a neuron becomes less negative in comparison to its resting condition, its plasma membrane is said to be

Down

1. Name given to a membrane that has different charges on its inside and outside
2. Abrupt but short lived reversal of the resting potential of the neurone
3. Type of neurone which transmits an impulse to another of this type or a motor neurone
4. Neurotransmitters are stored in these until needed
6. Chemical neurotransmitter
11. This mechanism uses energy to remove sodium ions from the cytoplasm of neurones and to take up potassium ions - sodium potassium