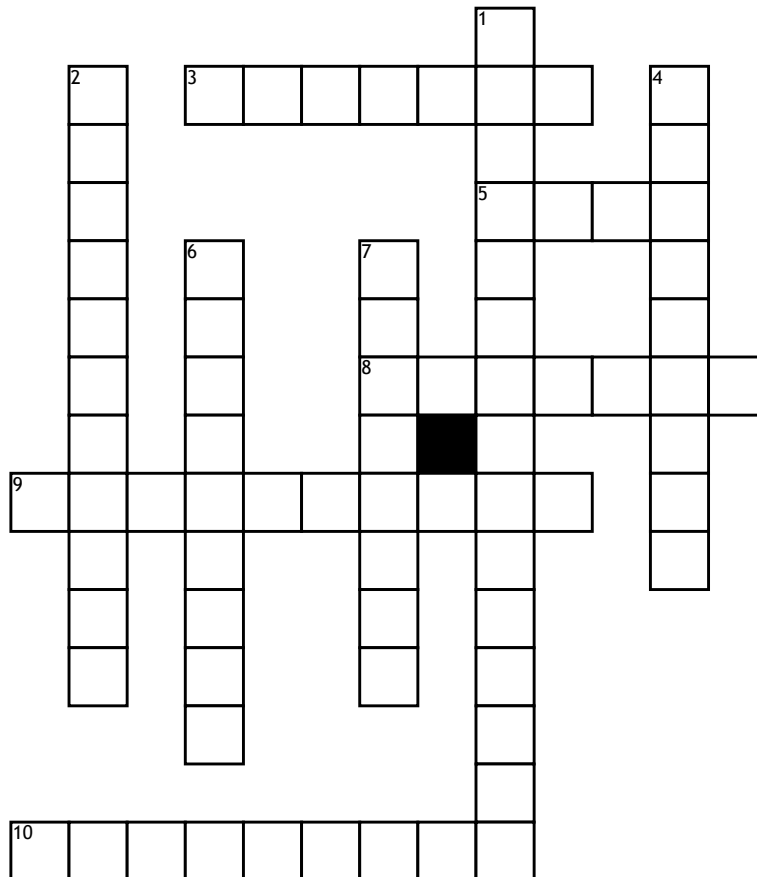


# Neurons and the nervous system



## Across

**3.** This division of the nervous system processes information received from the body's internal and external environment & to activate appropriate response.

**5.** A slender projection of a nerve cell, or neuron that conducts electrical impulses away from the neuron's cell body

**8.** A subdivision of the peripheral NS that carries sensory information to the central NS & motor information from the central NS

**9.** A division of the nervous system that contains all of the neurons outside of the central N.S

**10.** A subdivision of the peripheral NS that connects the CNS to the body's internal organs (e.g. heart) & glands e.g. adrenal gland.

## Down

**1.** A subdivision of the autonomic NS that maintains homeostasis

**2.** A division of the nervous system that is directly responsible for initiation of the FFF response

**4.** The branched projections of a neuron that functions like an antennae by detecting & receiving input

**6.** The axon \_\_\_\_\_ store neurotransmitters

**7.** a type of muscle that regulates the activity of vital organs e.g. the heart