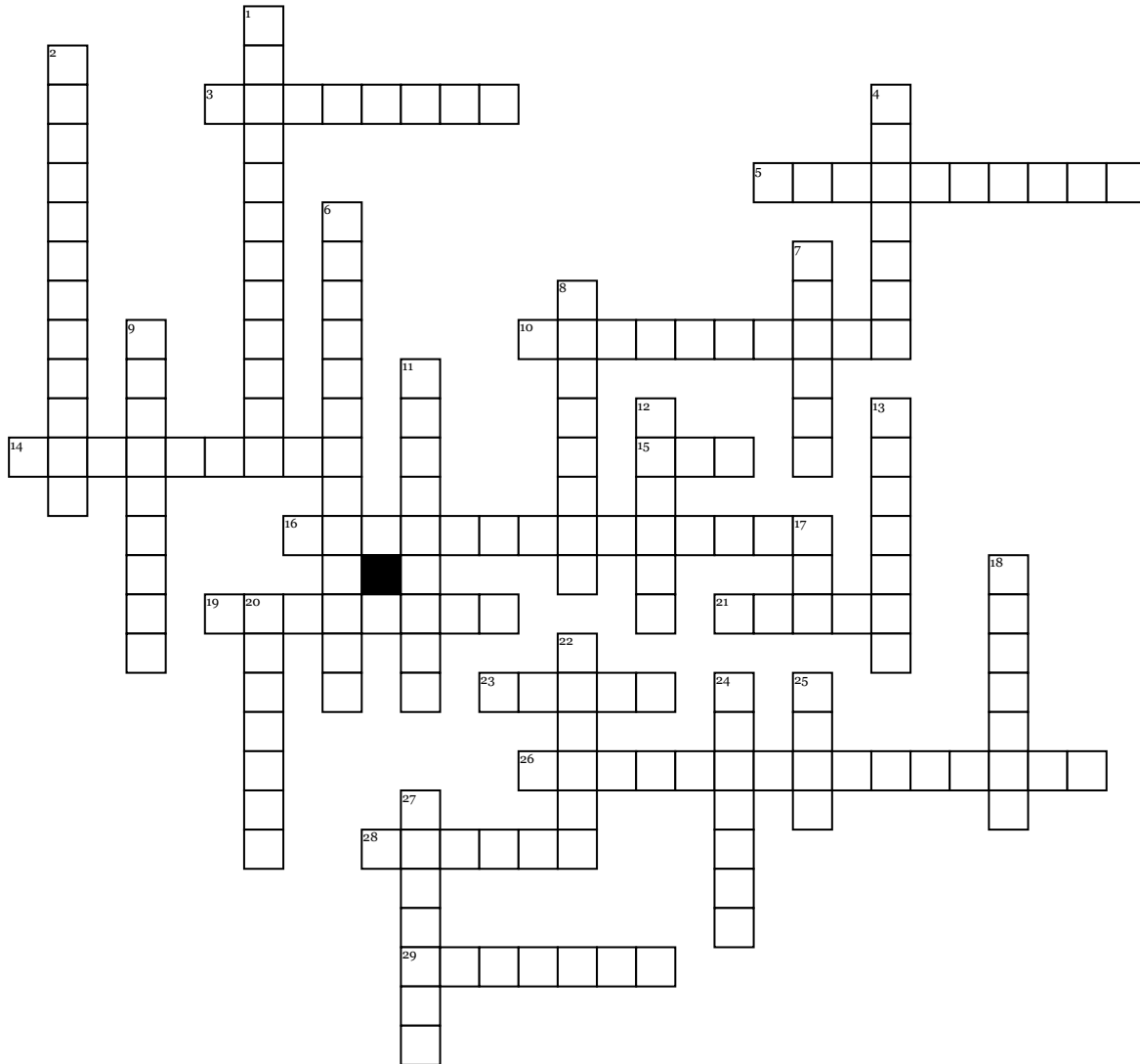


Name: _____

Date: _____

Chapter 2-neuroscience



Across

- 3.** Part of the limbic system involved in regulating fear and rage
- 5.** natural opiate-like neurotransmitters linked to pain control and pleasure.
- 10.** the division of the nervous system that connects the brain and spinal cord to the body's sense receptors, muscles, and glands.
- 14.** division of the peripheral nervous system that controls the glands and muscles of internal organs
- 15.** Amplified recording of the waves of electrical activity of the brain
- 16.** Large band of neural fibers that links the right and left hemispheres
- 19.** situated between the frontal and occipital lobes, these lobes contain the sensory cortex.
- 21.** "glue cells"
- 23.** Located at the back of the frontal lobe, the part of the cortex that controls voluntary movement

- 26.** Neural impulse generated by the movement of atoms through the neuron.

- 28.** Destruction of tissue

- 29.** The brain and spinal cord make up the _____ nervous system

Down

- 1.** doughnut-shaped neural system that regulates emotion and drives
- 2.** Limbic system structure that regulates hunger, thirst, and body temp.
- 4.** located just behind the forehead, these lobes are involved in speaking, muscle movements and in making plans and judgments.
- 6.** neurotransmitter that triggers muscle contractions
- 7.** The thin outer covering of the cerebral hemispheres.
- 8.** Located on the sides of the brain, these lobes contain the auditory areas.
- 9.** the body's slower chemical communication system

- 11.** Located at the back and base of the brain, these lobes contain the visual cortex.

- 12.** Simple, automatic, inborn response to a sensory stimulus

- 13.** located in the brainstem, this structure controls breathing and heartbeat

- 17.** Technique that uses magnetic fields and radio waves to produce computer-generated images of the brain

- 18.** an impairment of language as a result of damage to the association areas.

- 20.** Glands that produce the hormones epinephrine and norepinephrine

- 22.** A series of X-ray's of the brain

- 24.** Junction between the axon tip of the sending neuron and the dendrite or cell body of the receiving neuron.

- 25.** Extension of a neuron that sends impulses to other nerve cells, muscles or glands.

- 27.** Technique that measures the levels of activity of glucose consumption in the brain.