

NAME: _____

DATE: _____

PARTS OF A NEURON

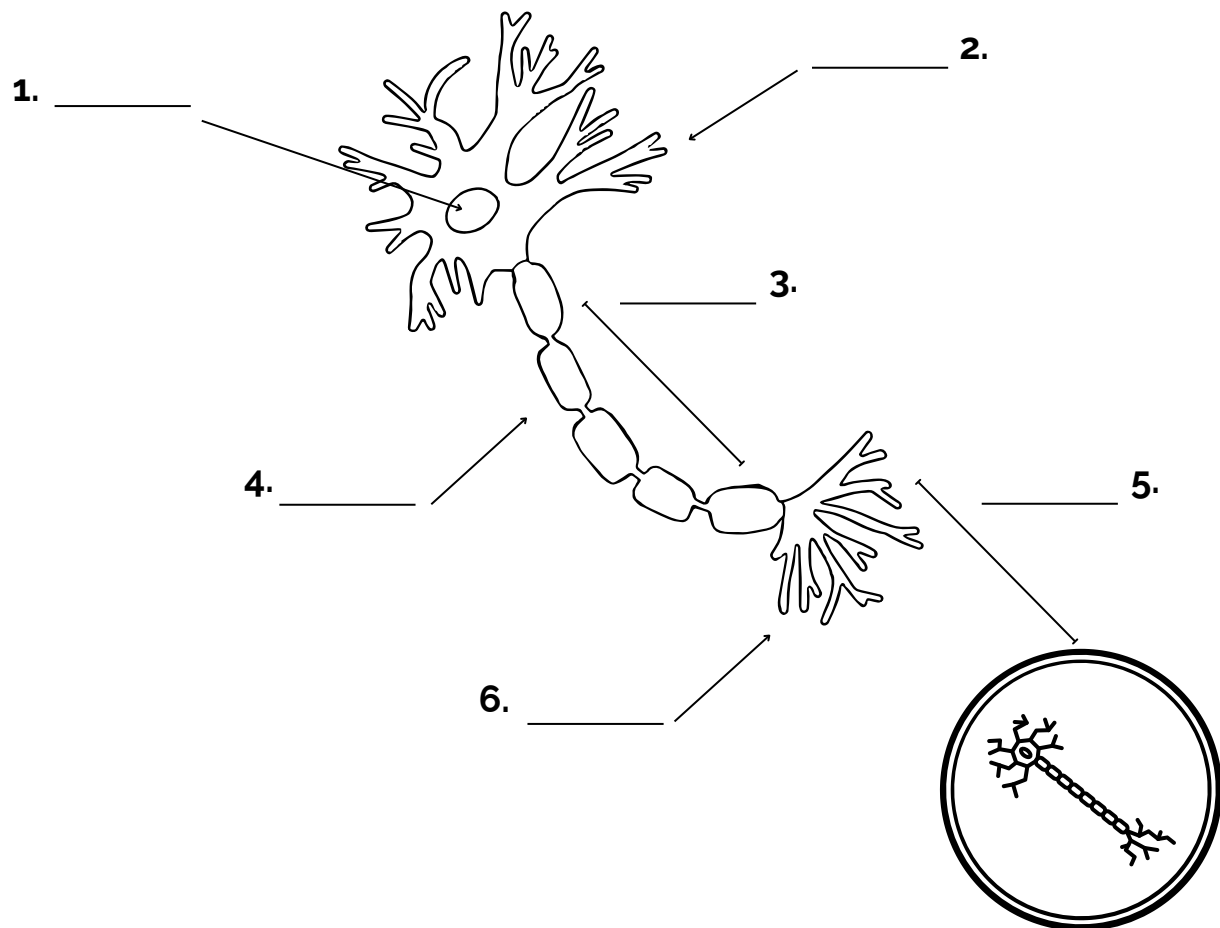


Lessons in Mental Health

NEURONS

The basic building blocks of the nervous system. Neurons are specialized cells that transmit electrical signals throughout the body and play a fundamental role in our thoughts, feelings, and behaviors.

Label each part of the neuron with the corresponding letter from below:



SIX MAIN PARTS OF A NEURON

A. Synaptic Cleft

C. Cell Body

E. Axon Terminal

B. Axon

D. Dendrites

F. Myelin Sheath

NAME: _____

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NEURONS & NEUROTRANSMITTERS

GUIDED NOTES



Lessons in Mental Health

1. Neurons communicate with each other by releasing chemicals called:

2. The junctions between neurons are called: _____

3. Neurotransmitters travel across the synapse and bind to receptors on the next neuron, causing it to fire, which creates a _____

4. Different neurotransmitters have different effects on the next neuron. Some neurotransmitters make the next neuron _____ likely to fire, while others make it _____ likely to fire.

5. Neurotransmitters that make the next neuron more likely to fire are:

6. Neurotransmitters that make the next neuron less likely to fire are:

7. Neurotransmitter _____ is essential for optimal brain function and behavior.

8. Neurotransmitter _____ can lead to a variety of mental health conditions.

9. Medications treat mental health disorders by either _____ or _____ neurotransmitter activity.

10. Medications that act like neurotransmitters and increase their levels or effects in the brain are referred to as: _____



NEURONS & NEUROTRANSMITTERS

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12. Medications that block neurotransmitters decreasing their levels or effects in the brain are referred to as: _____

13. _____ changes can also help to improve neurotransmitter function and mental health.

14. There are many different types of neurotransmitters, each with its own unique function.

Some of the most important include:

