

A. Axon

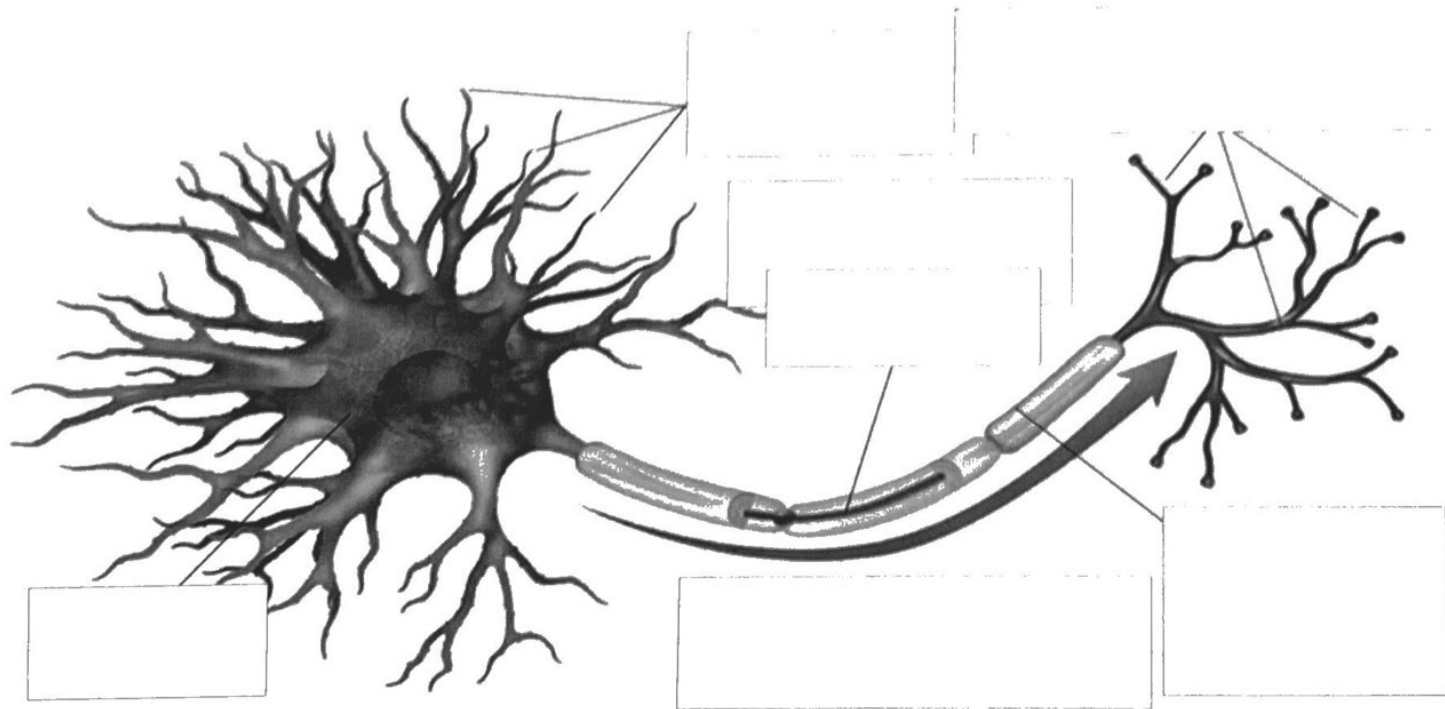
B. Dendrites

C. Neurotransmitters

D. Sodium ions

E. Terminal branches

Chemical messengers called **C** enter receptor sites on the **B** and cell body. This causes the cell membrane to open up and **D** to flow in. When there is enough of a positive charge, the neuron reaches threshold, and the first section of the **A** opens up and **D** flow in. This exchange of **D** happens down the length of the **A**. When the signal reaches the **E**; at the end of the axon, **C** flow out into the empty space called the synapse.



A. Axon

B. Dendrites

C. Neurotransmitters

D. Sodium ions

E. Terminal branches

Chemical messengers called *neurotransmitters* enter receptor sites on the *dendrites* and cell body. This causes the cell membrane to open up and *Sodium Ions* to flow in. When there is enough of a positive charge, the neuron reaches threshold, and the first section of the *axon* opens up and *Sodium Ions* flow in. This exchange of *Sodium Ions* happens down the length of the *axon*. When the signal reaches the *terminal branches*; at the end of the axon, *neurotransmitters* flow out into the empty space called the synapse.

