Directions: Read the events below, write them down in the order they would occur in the transmission of an impulse.

1. A neuron is stimulated by another neuron or by the environment.
2. Positively charged sodium ions (Na+) flow into the cell making it temporarily more positive than the outside of the cell.
3. Neurotransmitters are released across the synapse
4. The impulse travels quickly down the axon away from the cell body toward the axon terminals.
5. Presynaptic cell is at -70 millivolts (mv) or resting potential
6. The impulse reaches the axon terminals
7. Receptors on the postsynaptic cell binds with neurotransmitters and starts an action potential on the postsynaptic neuron.
8. Once the impulse passes, sodium gates close and potassium channels open allowing potassium ions (K + ) to flow out.