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SYNAPTIC TRANSMISSION WORKSHEET

(pp. 566-569)

Fill in the Blanks:

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These are across chemical synapses.
or between a
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Questions (answer on note paper):

- 1. What positive ion is likely to enter the postsynaptic neuron to cause depolarization to excite a neuron to fire an action potential?
- 2. What negative ion is likely to enter the postsynaptic neuron to cause hyperpolarization to inhibit production of an action potential?
- 3. Briefly state the function of the following neurotransmitters and neuromodulators: serotonin, norepinephrine, dopamine, GABA, substance P, endorphin
- 4. Explain the effects of *Clostridium botulinum* and *Clostridium tetani* on the nervous system.