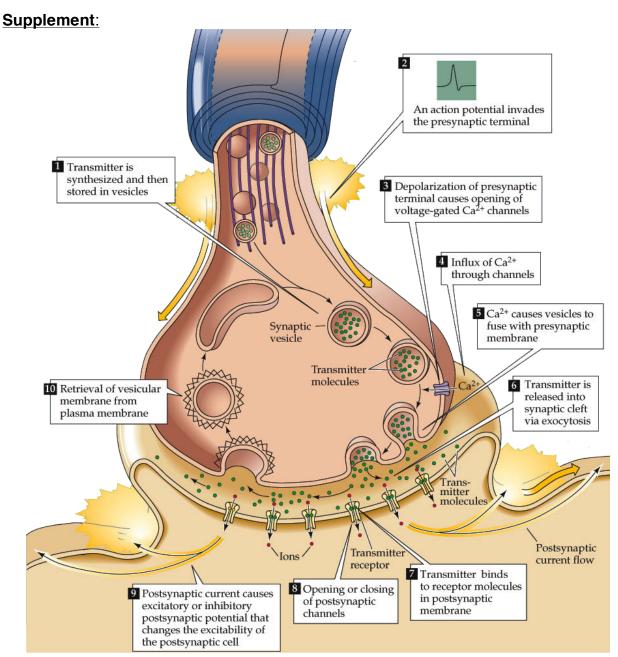
October 5, 2013

## **Learning Objectives:**

- (1) Know the major structural components of the synapse.
- (2) Learn the steps of synaptic transmission from action potential to the post-synaptic response.
- (3) Know which ion and channel is key to synaptic transmission.
- (4) Understand what it means for a synapse to be either excitatory or inhibitory.
- (5) Know the major *excitatory* neurotransmitter and the major *inhibitory* transmitter.



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