

### **The Nervous System: Synaptic Transmission**

1.      a. What is the name for the chemicals stored in the synaptic vesicles?  
  
             \_\_\_\_\_
- b. What do these chemicals diffuse across? \_\_\_\_\_
- c. Where do these chemicals bind to receptors? \_\_\_\_\_
2.      What type of gated channels do these chemicals open? \_\_\_\_\_
3.      What is the role of the neurotransmitter in nerve impulse transmission?  
  
             \_\_\_\_\_
4.      What is a synaptic cleft? \_\_\_\_\_
5.      List two ions involved in the synapse. Indicate their roles in the transmission of the nerve impulse.
  - a.
  - b.