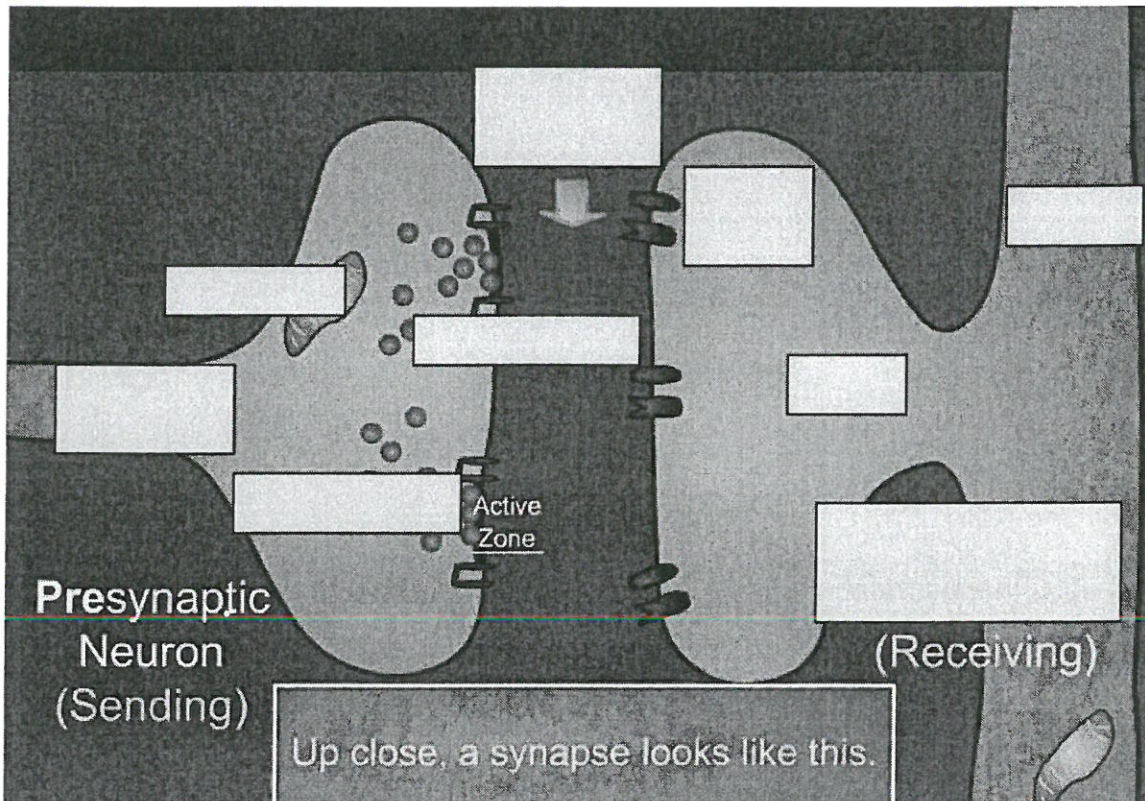


Study Guide for
The Synapse, a BrainU video

Name _____

Watch the video **The Synapse** (at brainu.org/movies), then answer the questions below:

1. Who are the 6 stars of the show?
2. Neurons communicate with each other at _____.
3. There are over _____ different neurotransmitters.
4. Label this drawing of the synapse.



5. At rest a few _____ may be docked at active zones waiting to be released.
6. _____ channels are closed.
7. When a calcium channel is opened, calcium ions flow _____ a neuron.

Study Guide for
The Synapse, a BrainU video

Name _____

17. What are three things that can happen to end the synaptic terminal?

18. What are two things that can happen to the vesicle?

19. There are about _____ synapses on each dendrite.

20. How do individual synapses (which are below the electrical potential necessary to initiate action potential) cause action potential?

21. What does IPSP stand for?

22. What is an IPSP?

23. How does an inhibitory signal stop an action potential?

