

The Synapse

- The junction between two communicating neurons is called a _____, where there exists a _____ between them across which the impulse must be conveyed.
- _____ are utilized to relay messages across the synaptic cleft in a process called synaptic transmission.
 - Neurotransmitters may be _____ or _____.
 - Over 50 kinds of neurotransmitters are produced in the cytoplasm and stored in the _____.
 - Action potential causes neurotransmitters to be _____ into the synaptic cleft.
 - _____ rapidly decompose neurotransmitters after their release to prevent continuous stimulation.

_____ depends on how neurons are organized. Neurons are organized into _____ in the CNS, receiving input from afferent nerves and processing them according to the characteristics of the pool.

- _____ occurs when sub-threshold stimuli are received, making them more excitable.
- _____ occurs when impulses are received from more than one nerve fiber, allowing for summate impulses.
- _____ allows for the amplification of an impulse and occurs when a neuronal pool passes the impulse into several output fibers.

Summary: