Synaptic Transmission

**A**
- Action potential
- Terminal button
- Synaptic cleft
- Postsynaptic membrane
- Dendrite of postsynaptic neuron

**B**
- Axon terminal
- Presynaptic membrane
- Synaptic vesicles with neurotransmitter

**C**
- Synaptic vesicles fuse with the interior surface of the terminal button.

**D**
- Synaptic vesicles rupture, releasing neurotransmitters across the synaptic cleft.
- Neurotransmitters make contact with receptor molecules in the membrane of the postsynaptic neuron.

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