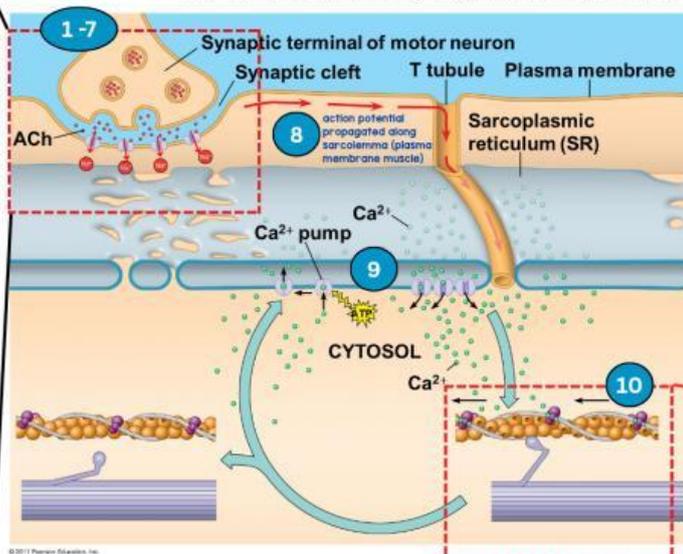


NEUROMUSCULAR JUNCTION

1. Action potentials arrive at axon terminal (synaptic knob) of presynaptic neuron, thus presynaptic membrane undergo _____
2. Depolarization triggers the opening of _____ presynaptic neuron membrane becomes more permeable to Ca^{2+} .
3. Ca^{2+} from extracellular fluid diffuse into synaptic knob.
4. The diffusion of Ca^{2+} trigger _____ contain _____ to move and fuse with the presynaptic membrane and release the neurotransmitter into synaptic cleft via _____
5. Acetylcholine _____ across synaptic _____ and bind to a specific _____ on the ligand-gated ion channels on the _____.
6. The binding of acetylcholine to the receptors causes ligand-gated ion channels to open on _____.
7. _____ diffuses into muscle fibers and leads to depolarization of muscle fibers. If the depolarization is above _____ an action potential is produced.



8. action potential propagate along _____ and down _____
9. action potential trigger voltage-gated Ca^{2+} channels _____ and release Ca^{2+} from _____ reticulum to _____.
10. Ca^{2+} bind to _____ complex and change its conformation. Push away _____ from myosin binding site. _____ site exposed on actin molecules.

