• Increase in positive charge opens up Ca ion channels to open and influx of Calcium ions occur
• Snare Proteins - Proteins that connect the presynaptic vesicles to the membrane
• Ca ions bond to proteins to stimulate fusion of vesicles to the presynaptic membrane (Exocytosis)
• Neurotransmitters enter Cleft and bond to special receptors (Nicotinic Cholinergic Receptors for Acetylcholine)
• This causes Na gated channels to open up at the Postsynaptic membrane causing an influx of Na ions into the Target cell
• However, instead of Na channels opening, K channels may open up instead at the Postsynaptic membrane, causing K ions to leave the neuron,
• This making it harder for action potential to occur at the Postsynaptic neuron due to a less positive charge