

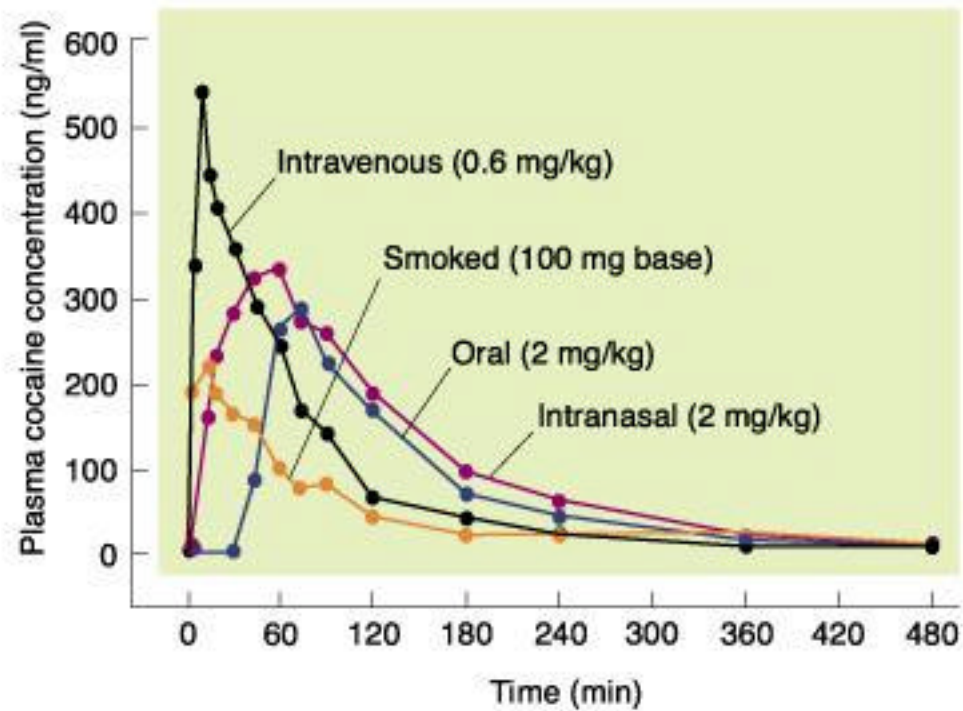
A L L Y N A N D B A C O N



for Physiology of Behavior
by Neil R. Carlson Seventh Edition

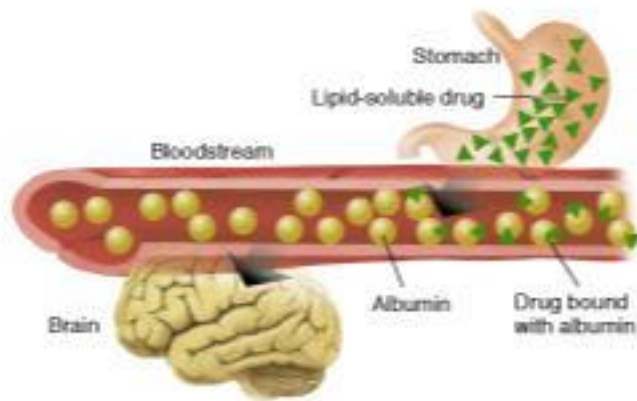
CHAPTER 4
Psychopharmacology

► **Concentration of Cocaine in Blood Plasma**

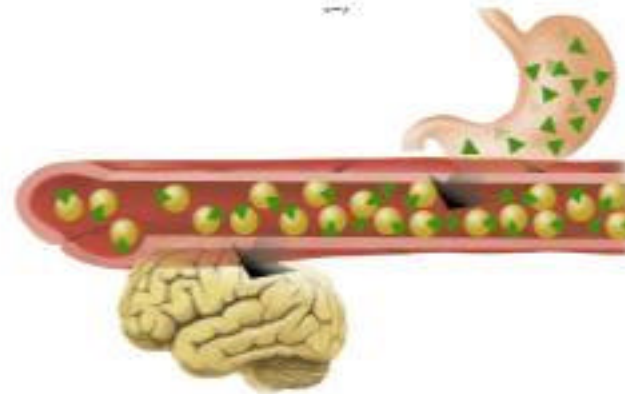


Source: Adapted from Feldman, Meyer, and Quenzer, 1997; after Jones, 1990.
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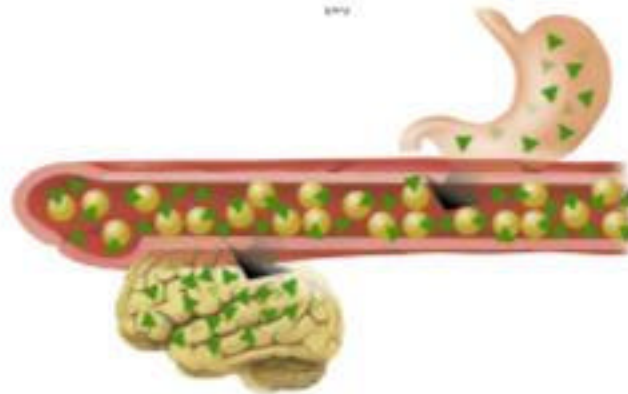
► **Depot Binding with Blood Albumin Protein**



(a)

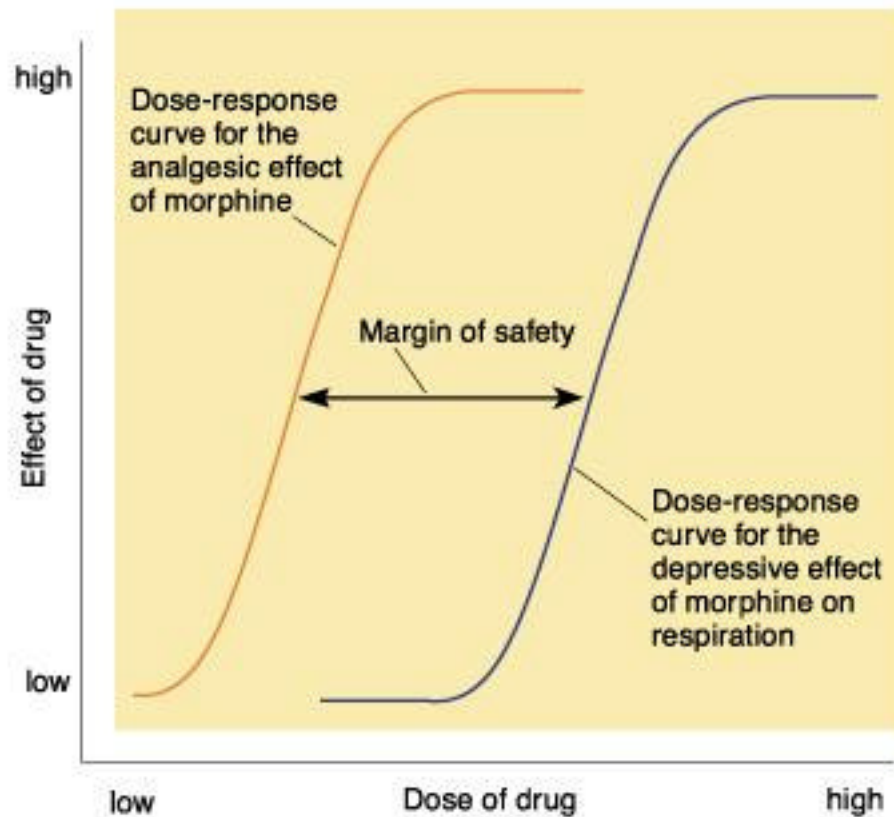


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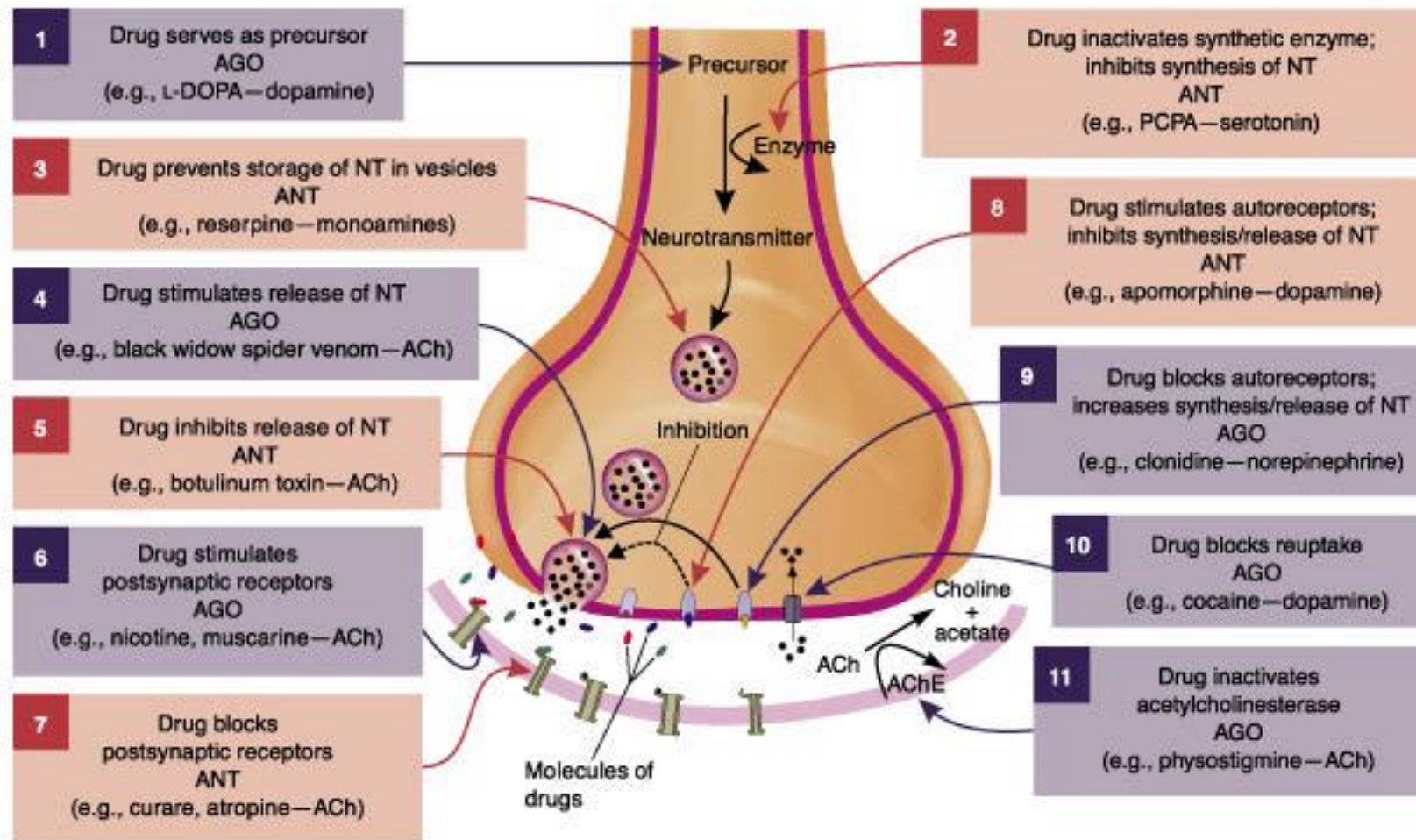


(c)

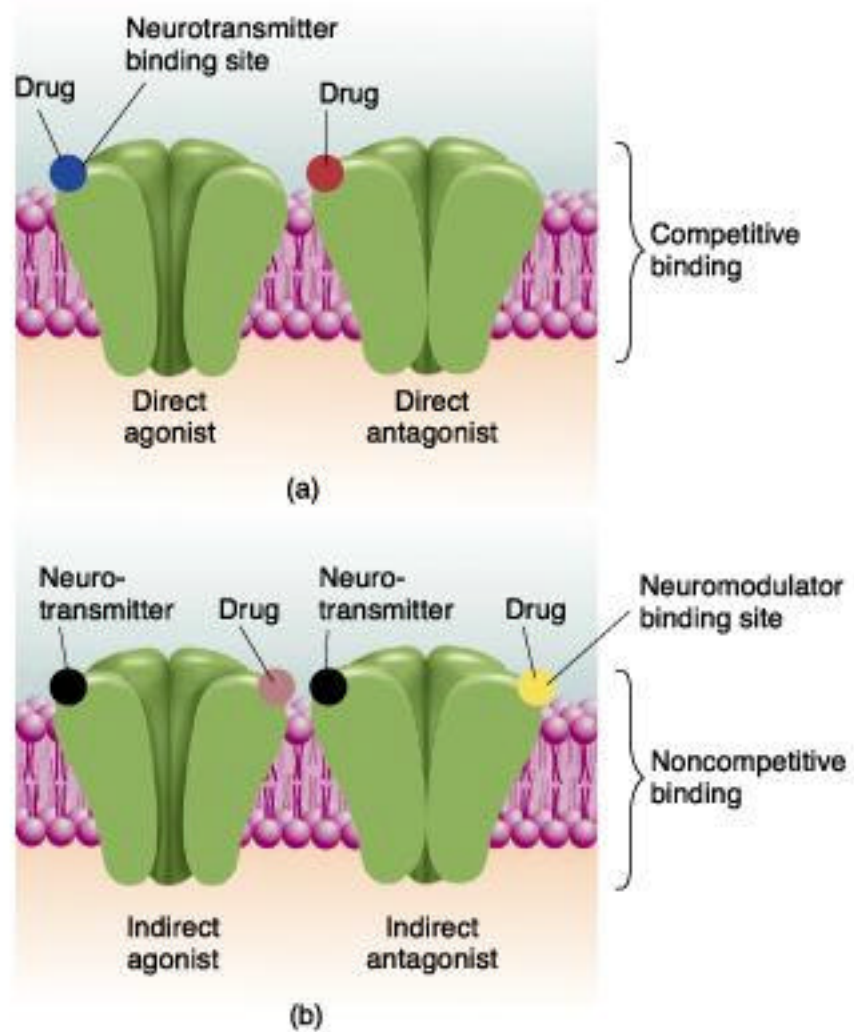
► Dose-Response Curves for the Analgesic and Depressant Effect of Morphine



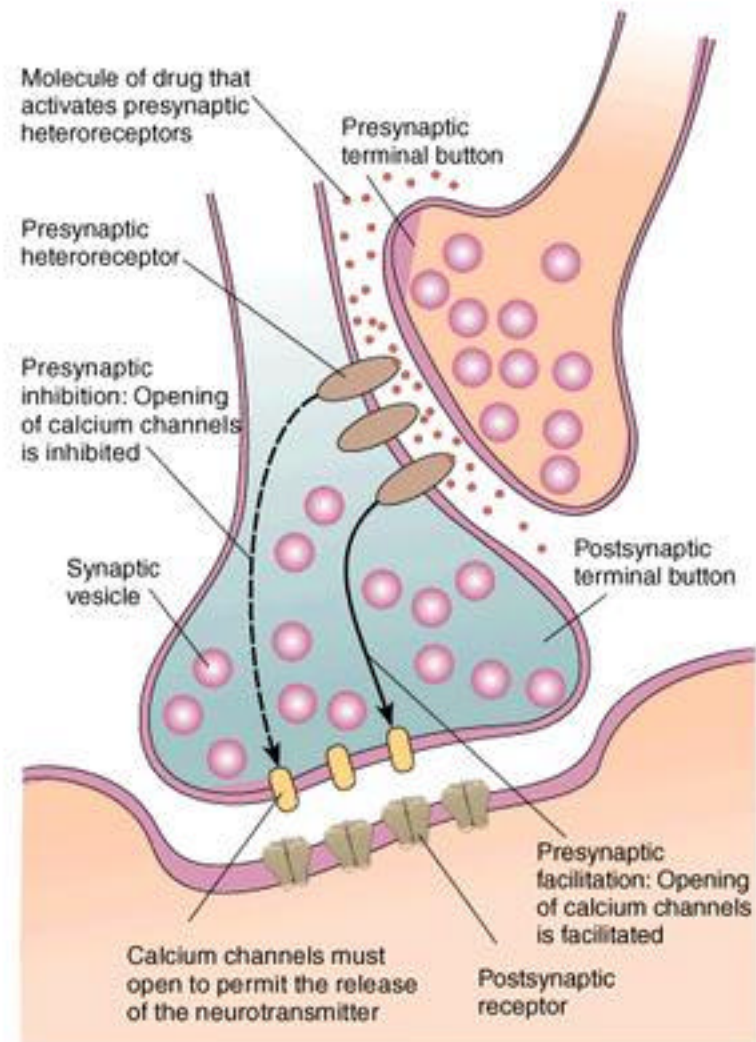
► A Summary of the Ways Drugs Affect the Synaptic Transmission



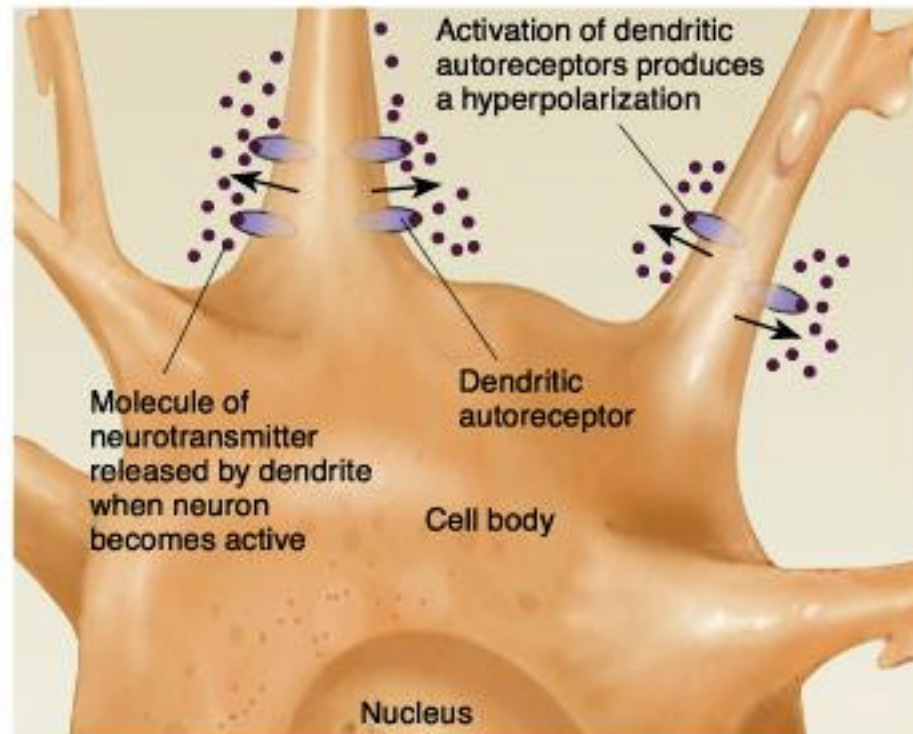
► **Actions of Drugs at Binding Sites on Receptors**



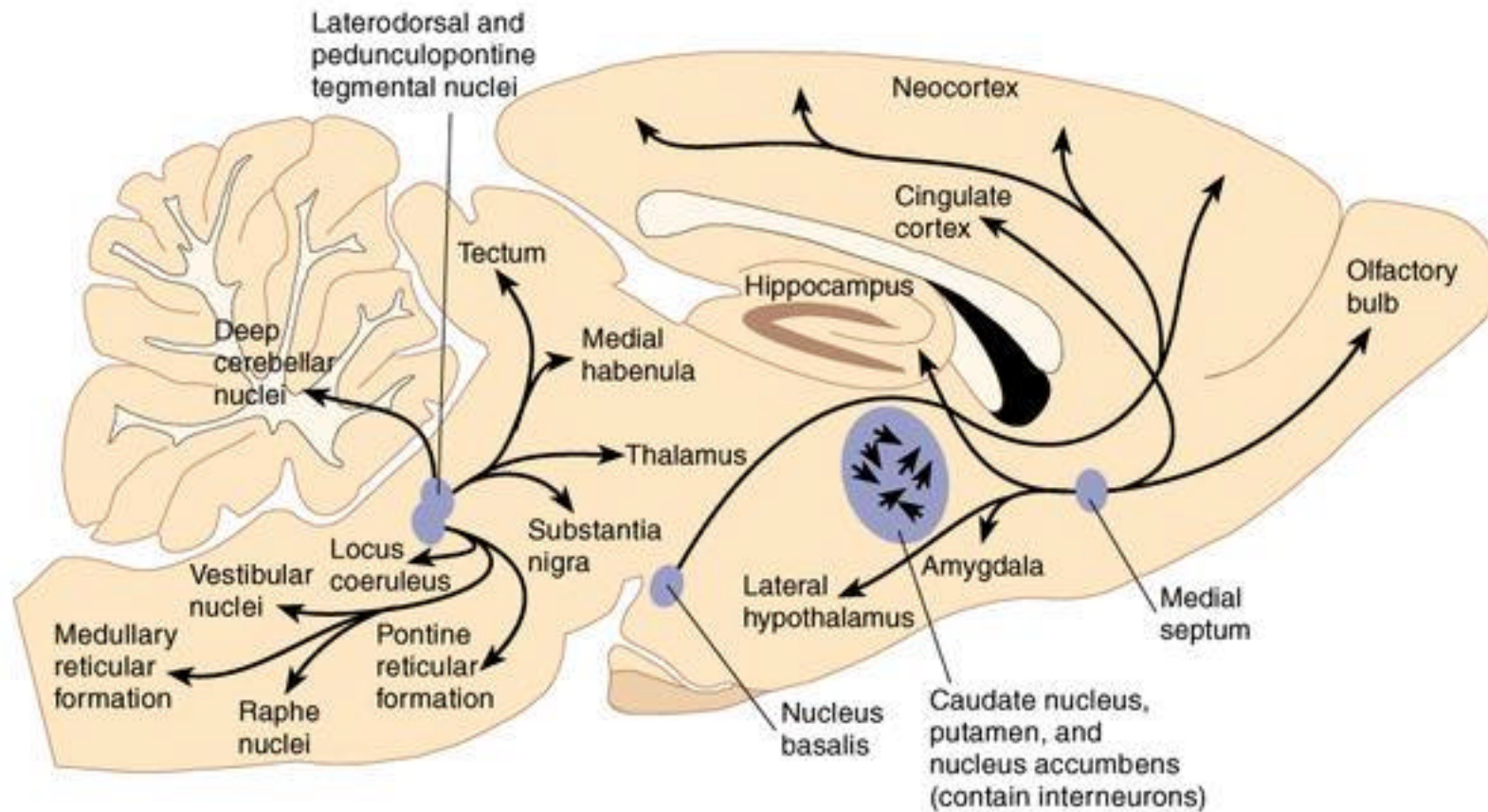
► Presynaptic Heteroreceptors



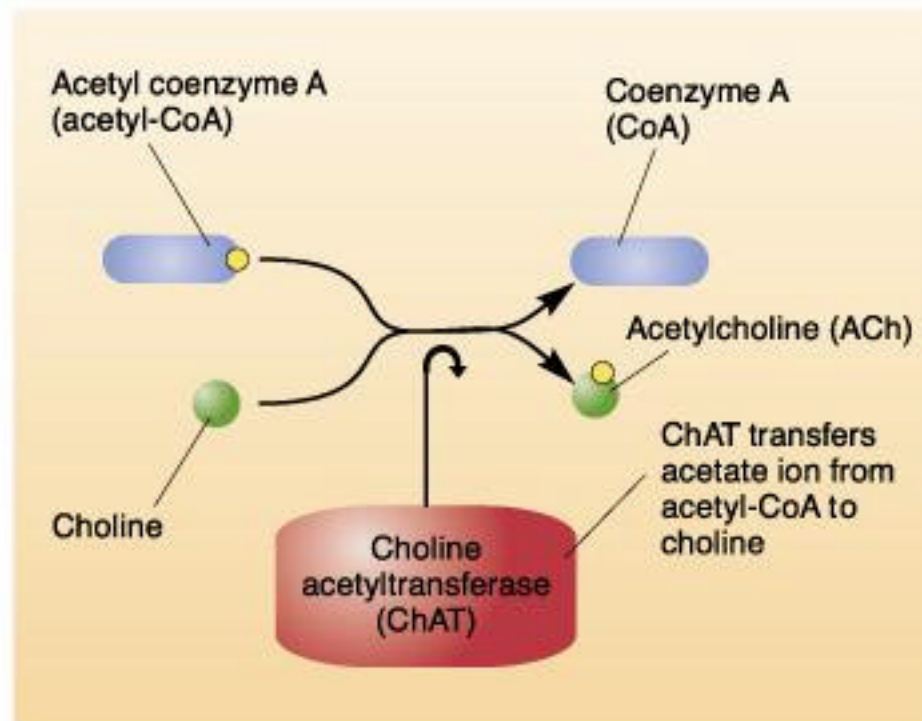
► Dendritic Autoreceptors



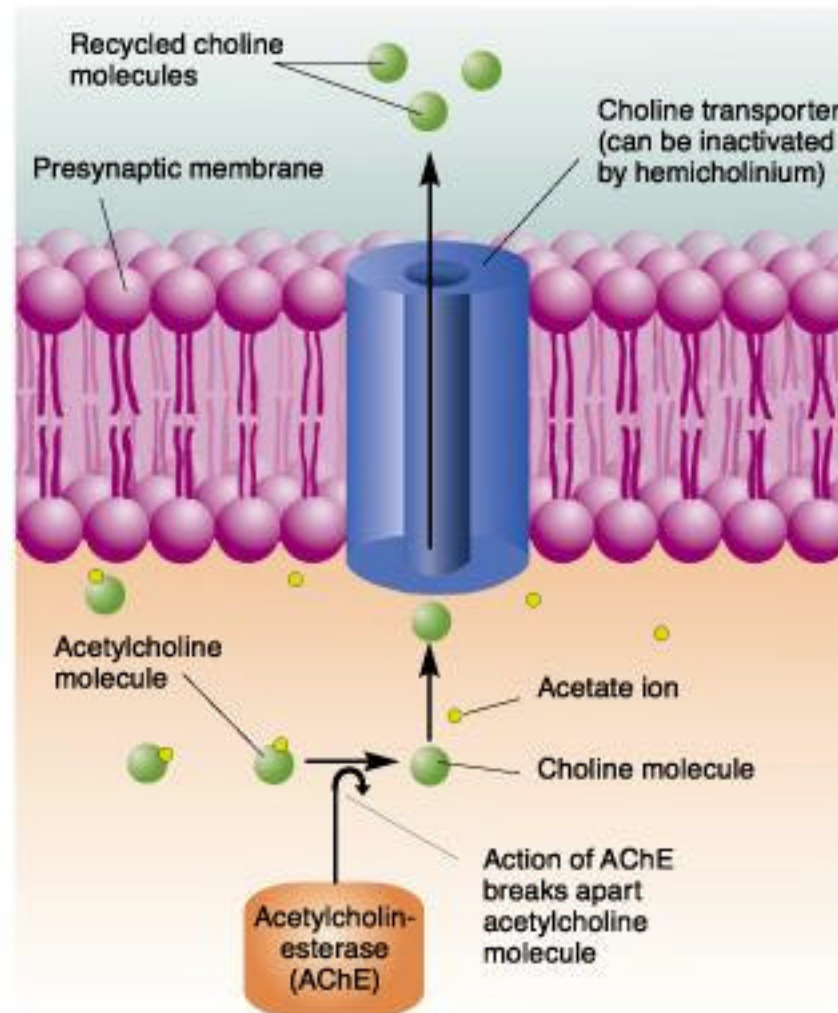
► **Schematic Midsagittal Section of a Rat Brain, Showing the Locations of the Most Important Groups of Acetylcholinergic Neurons and the Distribution of Their Axons and Terminal Buttons**



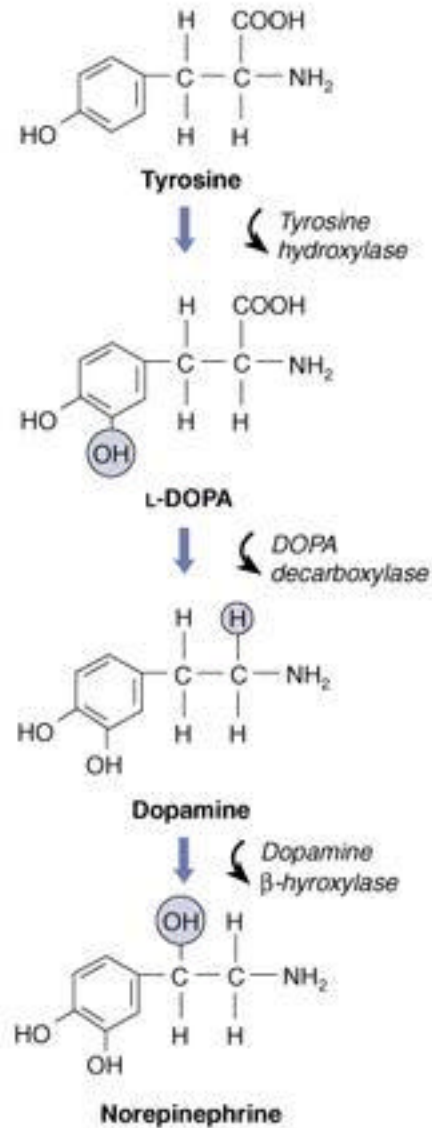
► Biosynthesis of Acetylcholine



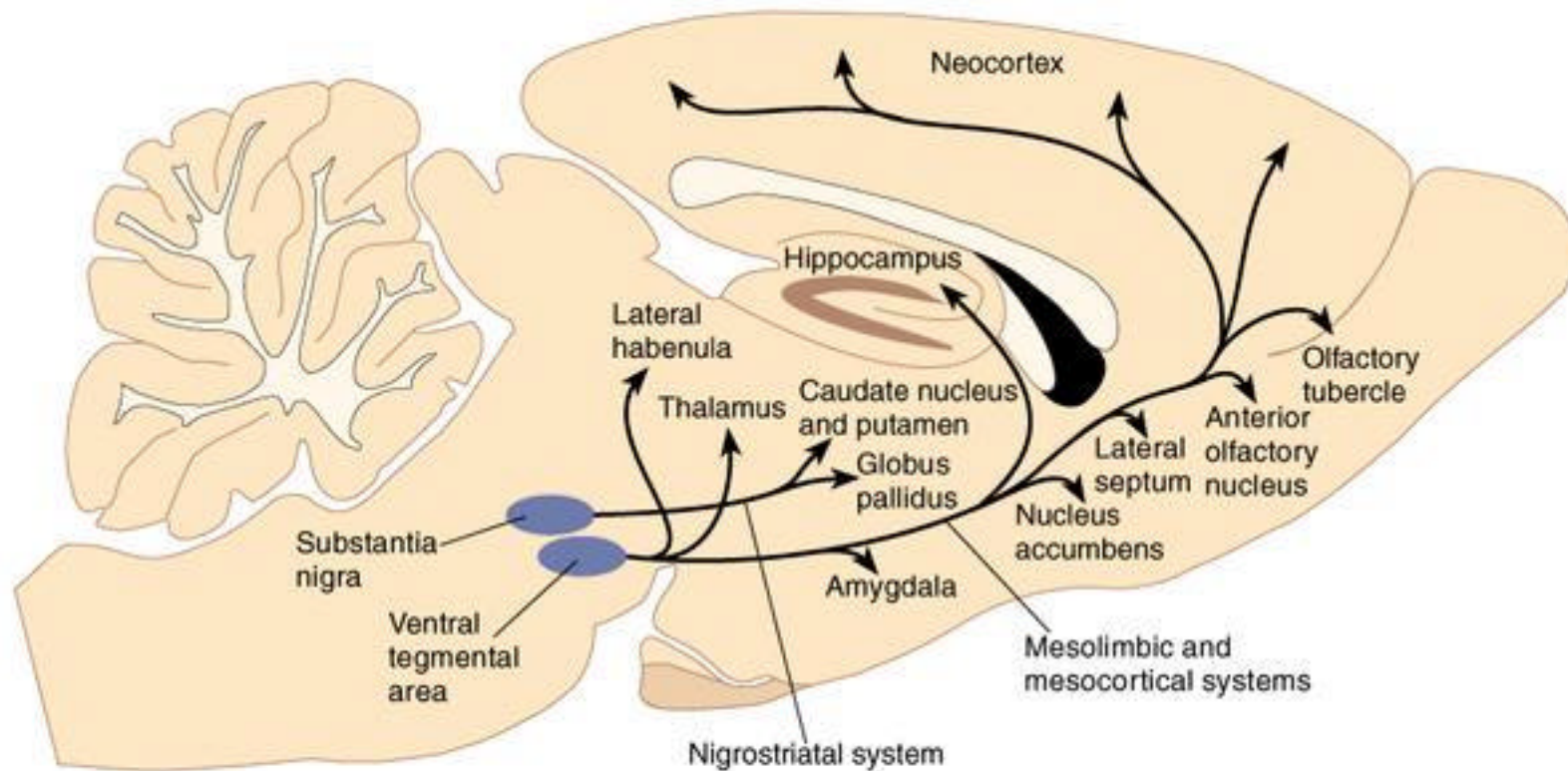
► **The Destruction of Acetylcholine by Acetylcholinesterase and the Reuptake of Choline**



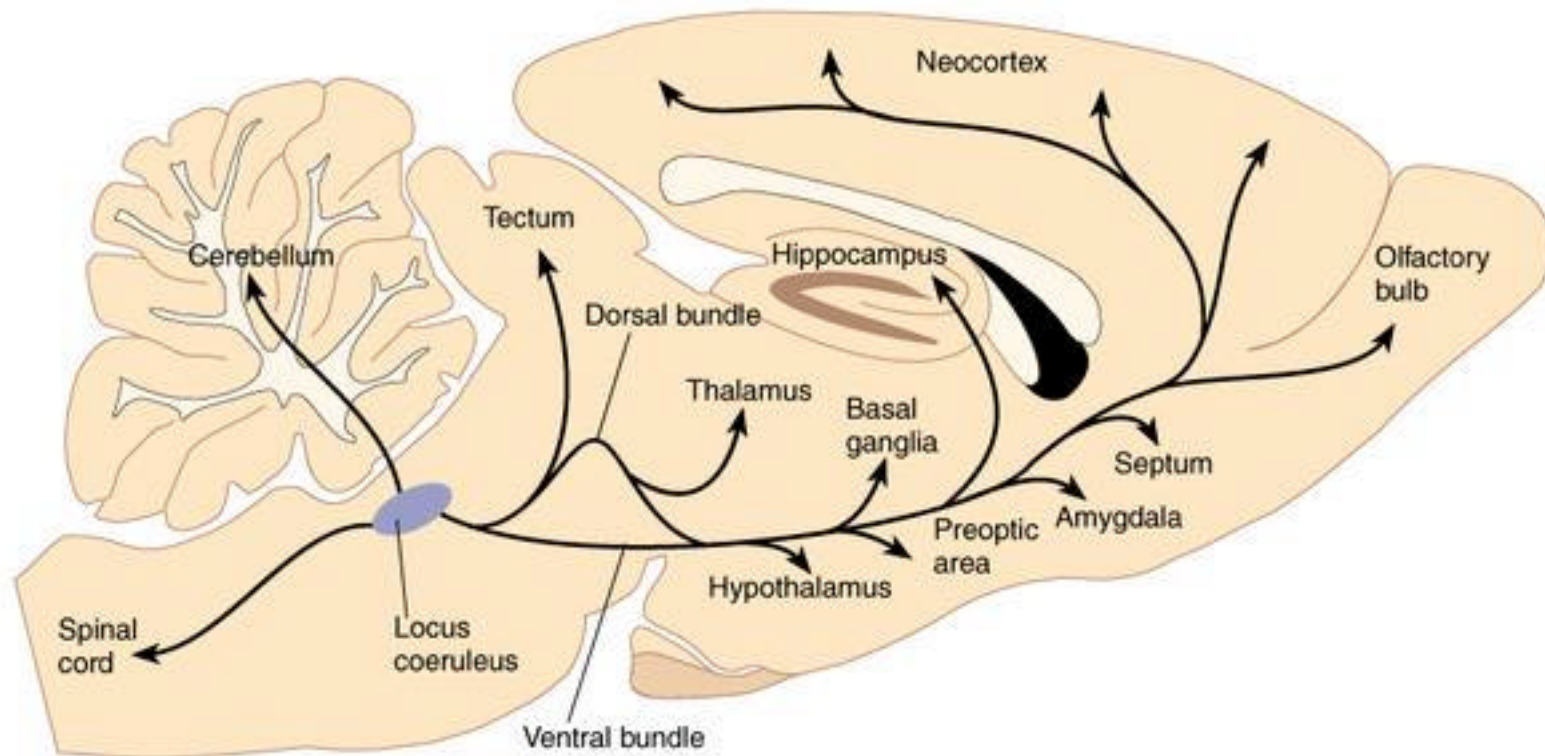
► Biosynthesis of the Catecholamines



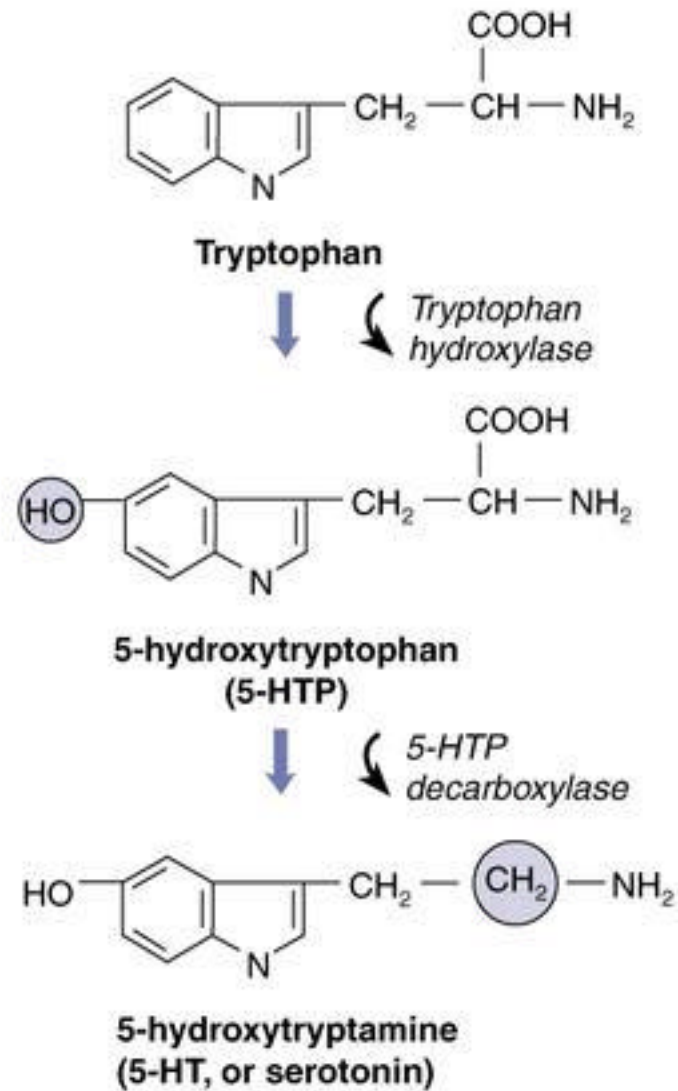
► Schematic Midsagittal Section of a Rat Brain, Showing the Locations of the Most Important Groups of Dopaminergic Neurons and the Distribution of Their Axons and Terminal Buttons



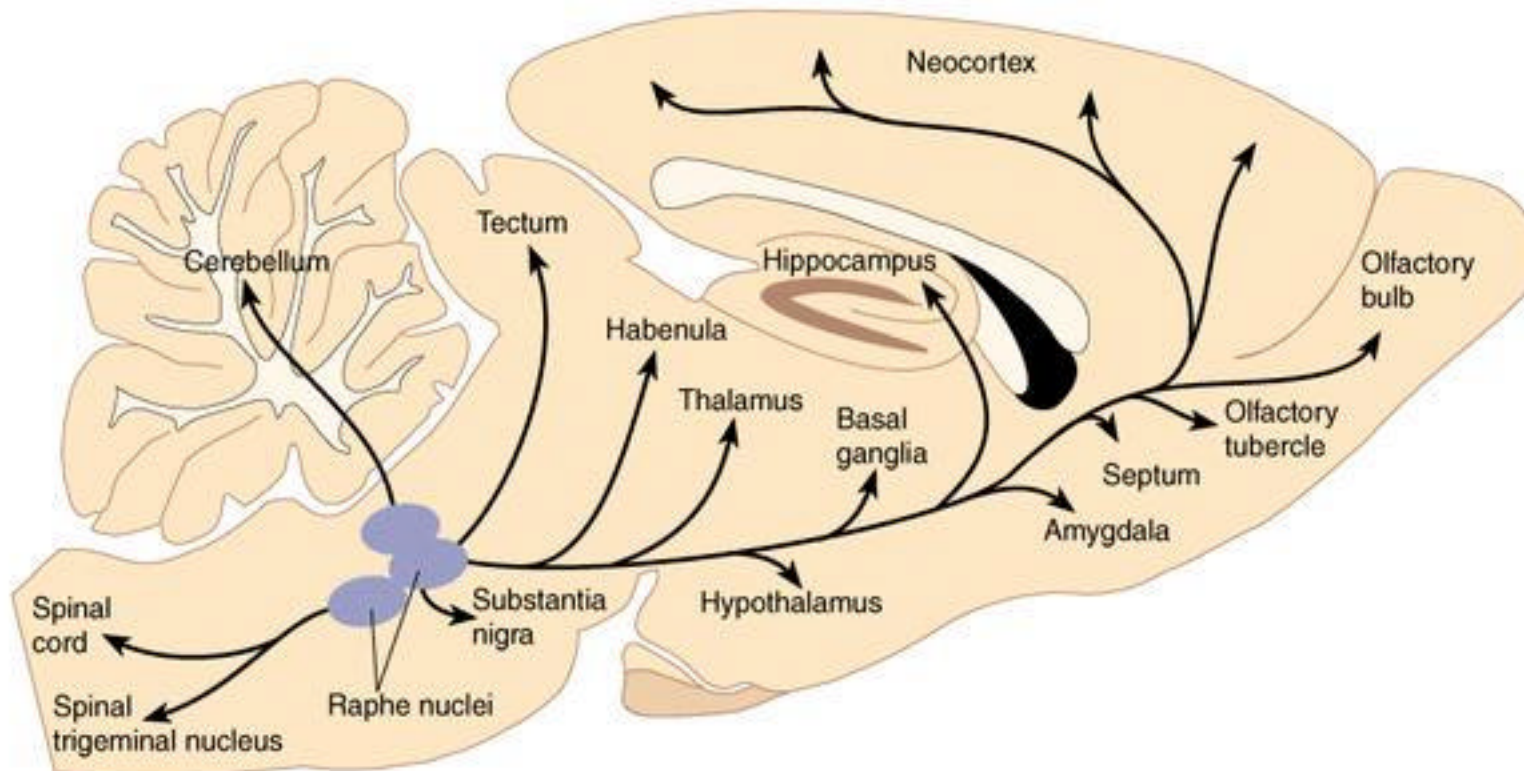
► Schematic Midsagittal Section of a Rat Brain, Showing the Locations of the Most Important Groups of Noradrenergic Neurons and the Distribution of Their Axons and Terminal Buttons



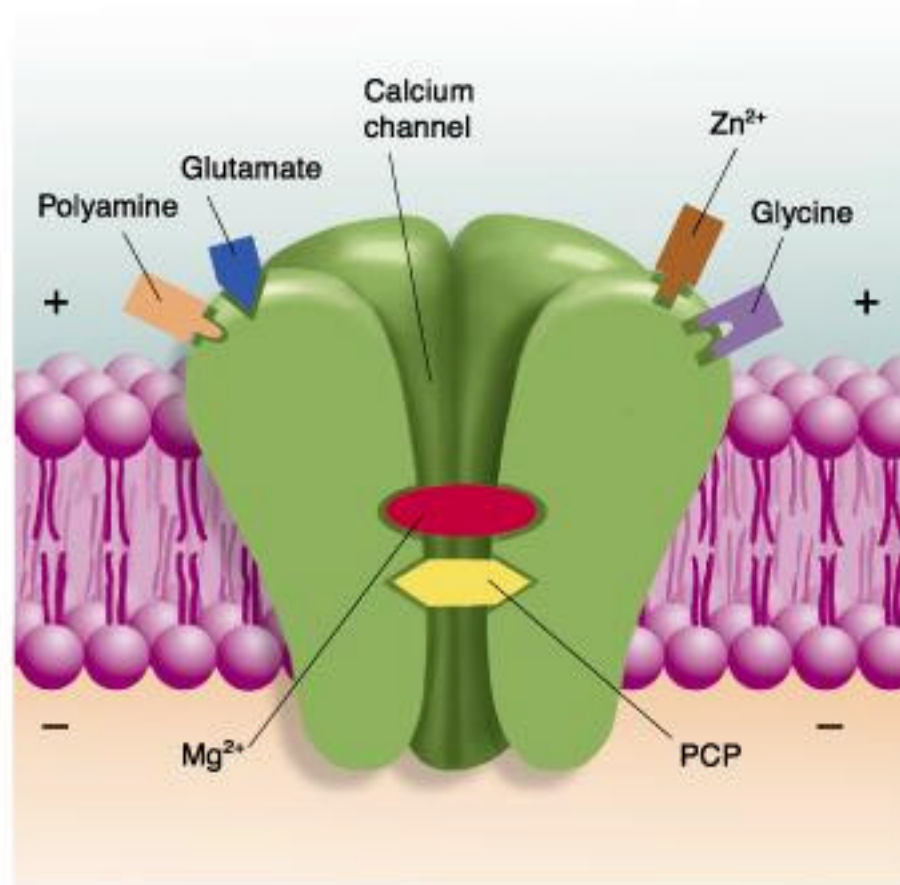
► Biosynthesis of Serotonin



- Schematic Midsagittal Section of a Rat Brain, Showing the Locations of the Most Important Groups of Serotonergic Neurons and the Distribution of Their Axons and Terminal Buttons



► A Schematic Illustration of an NMDA Receptor, with Its Binding Sites



► Schematic Illustration of a GABA Receptor, with Its Binding Sites

