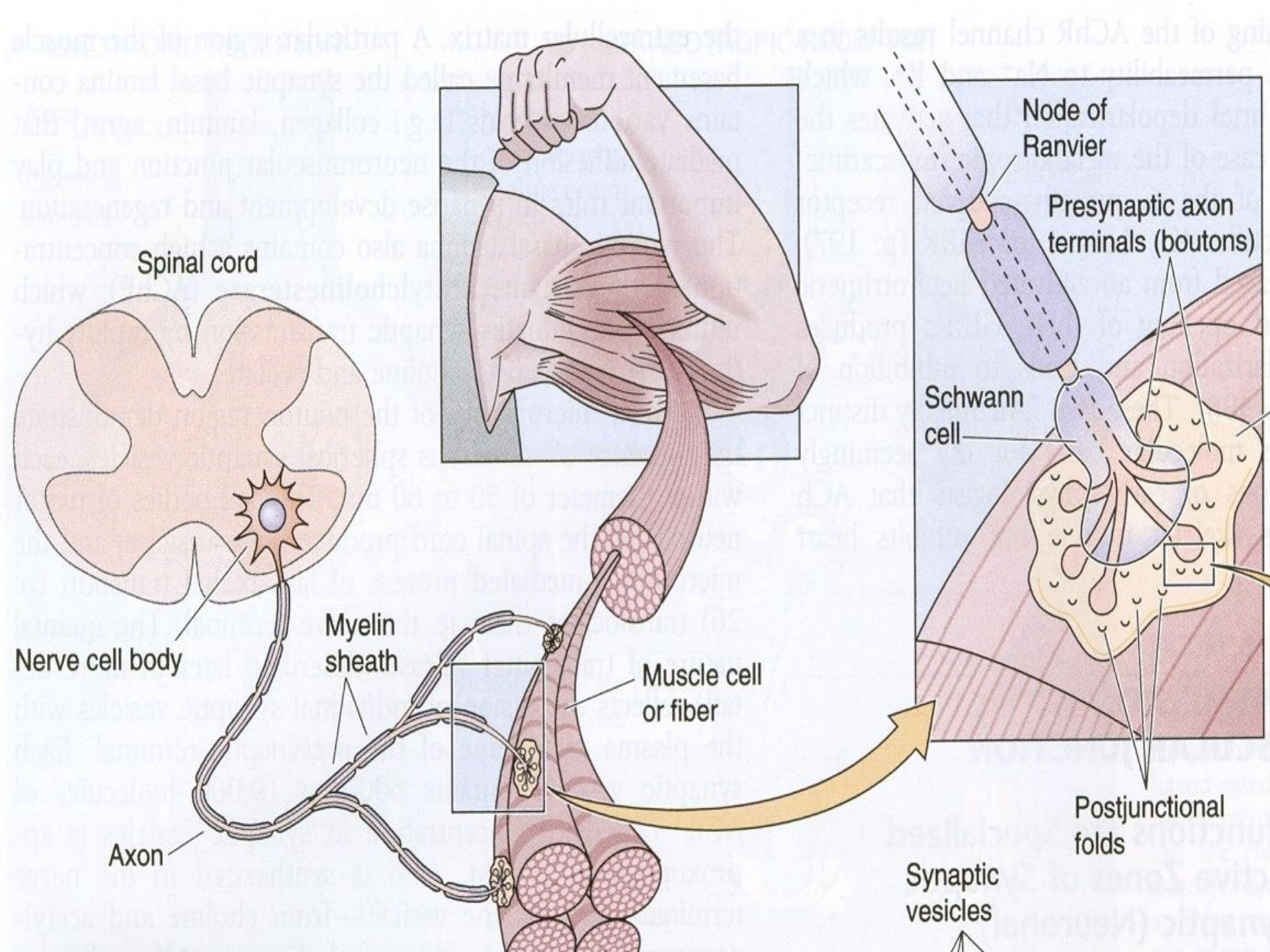


Сигналы



Нервно-мышечный синапс



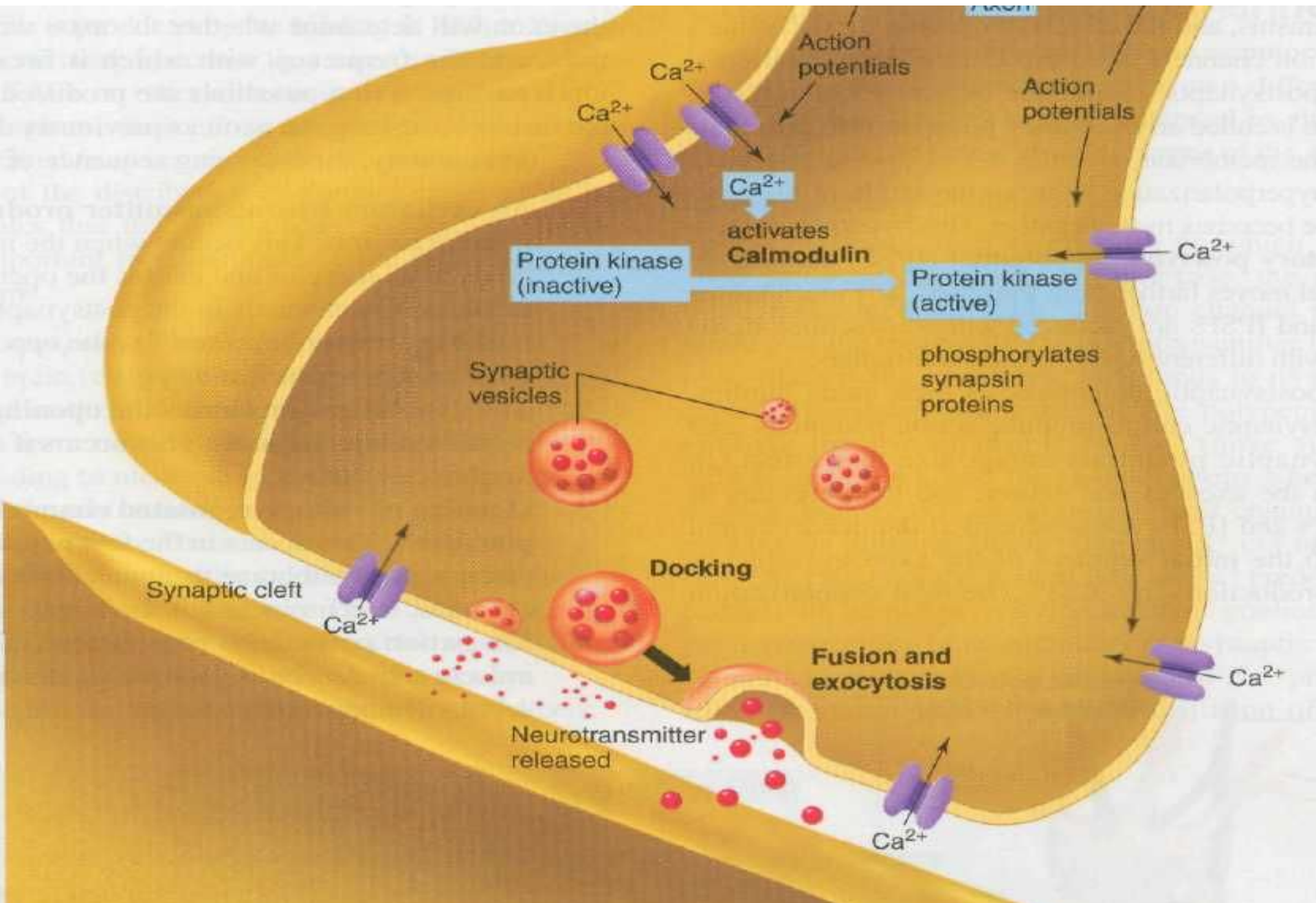
Neuromuscular junction

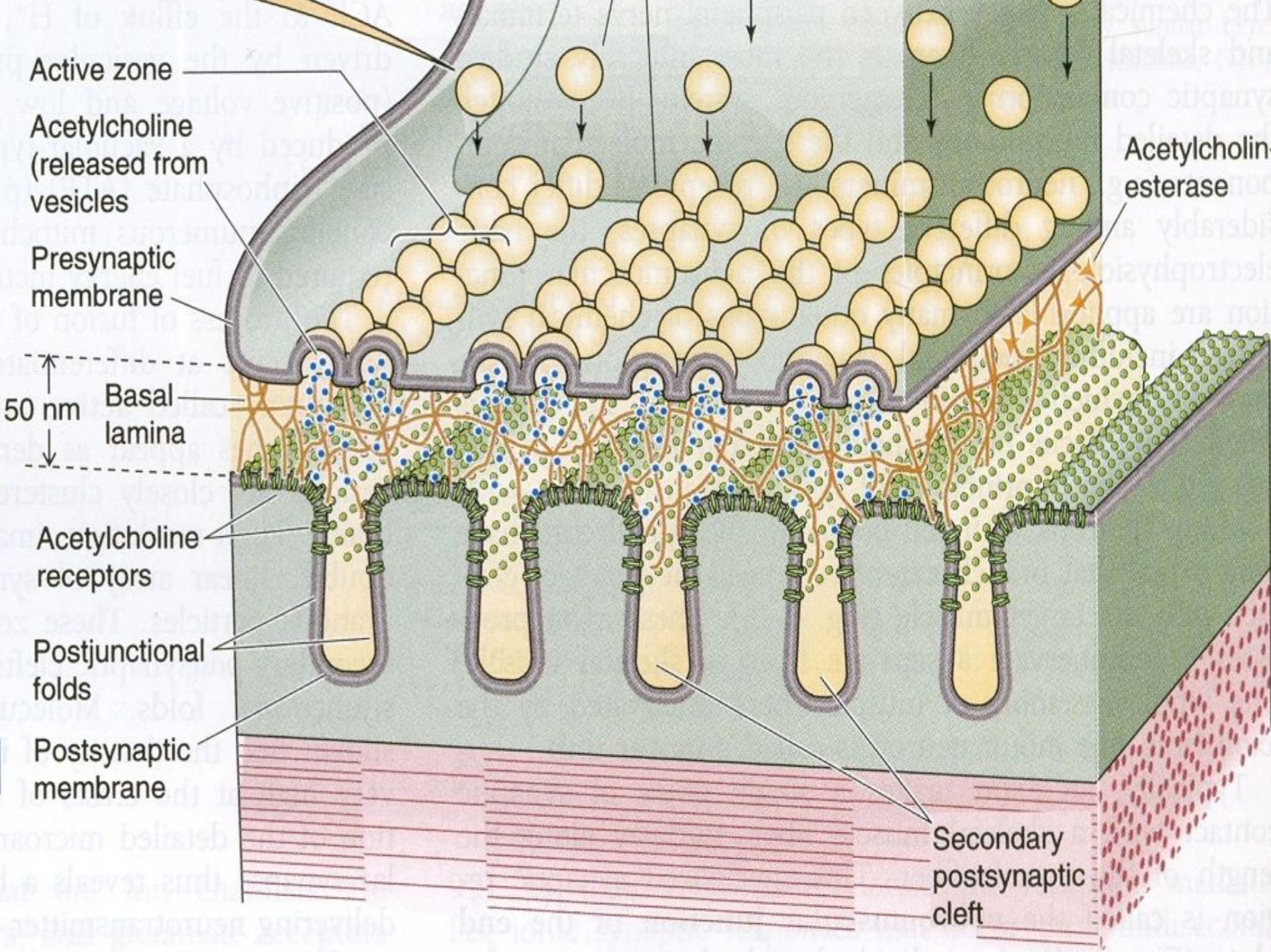
Somatic motor axons

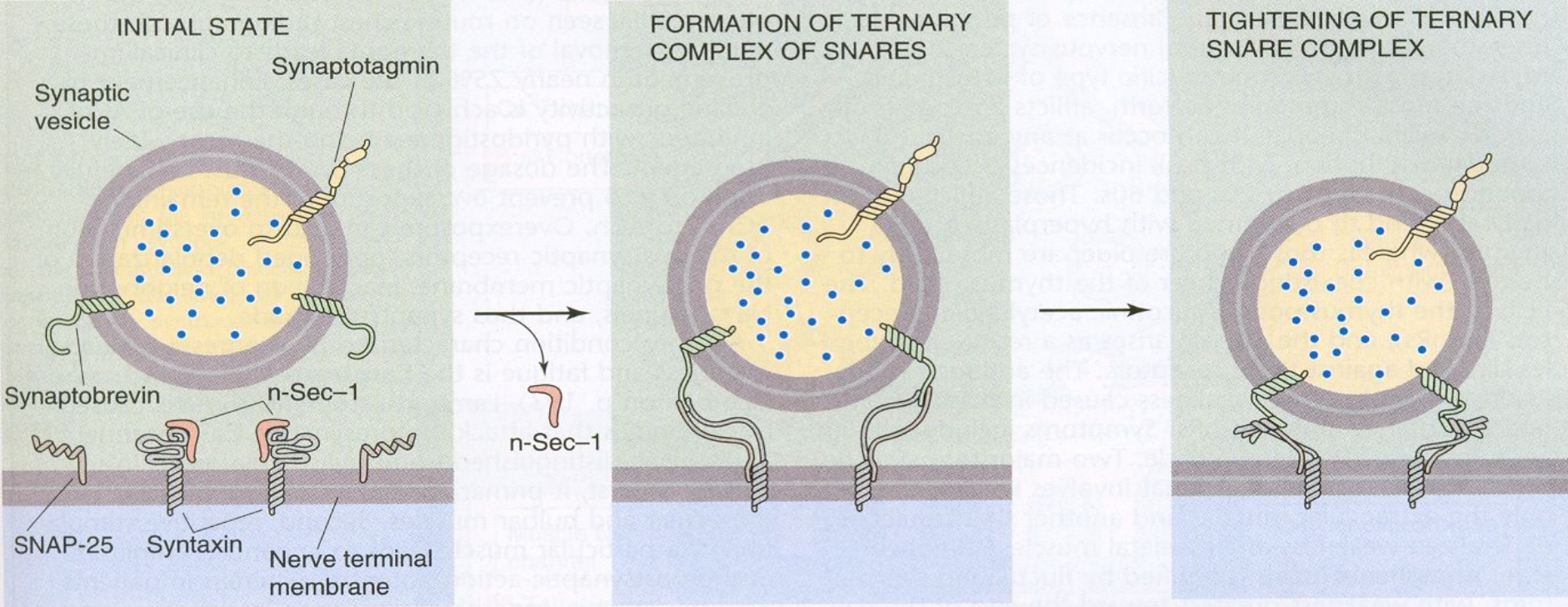
Motor end plate of muscle

Muscle fibers

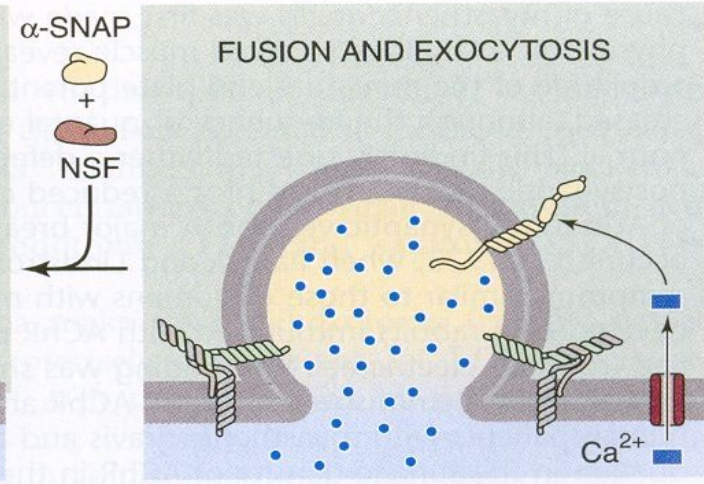
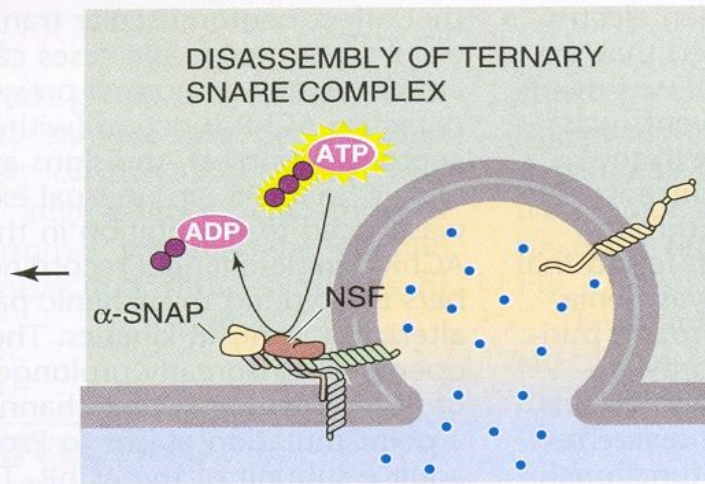
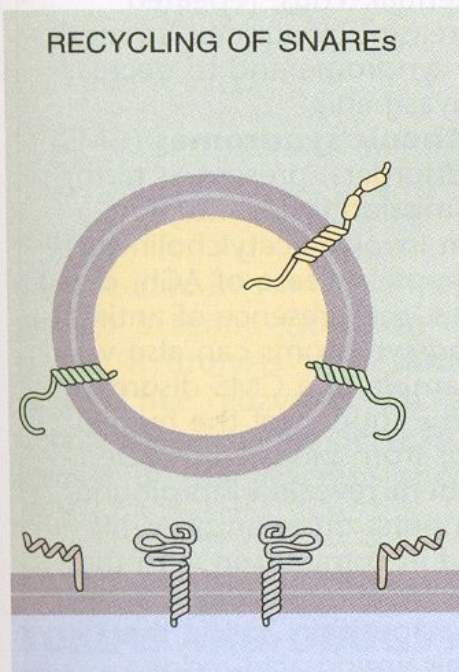
Освобождение нейротрансмиттера



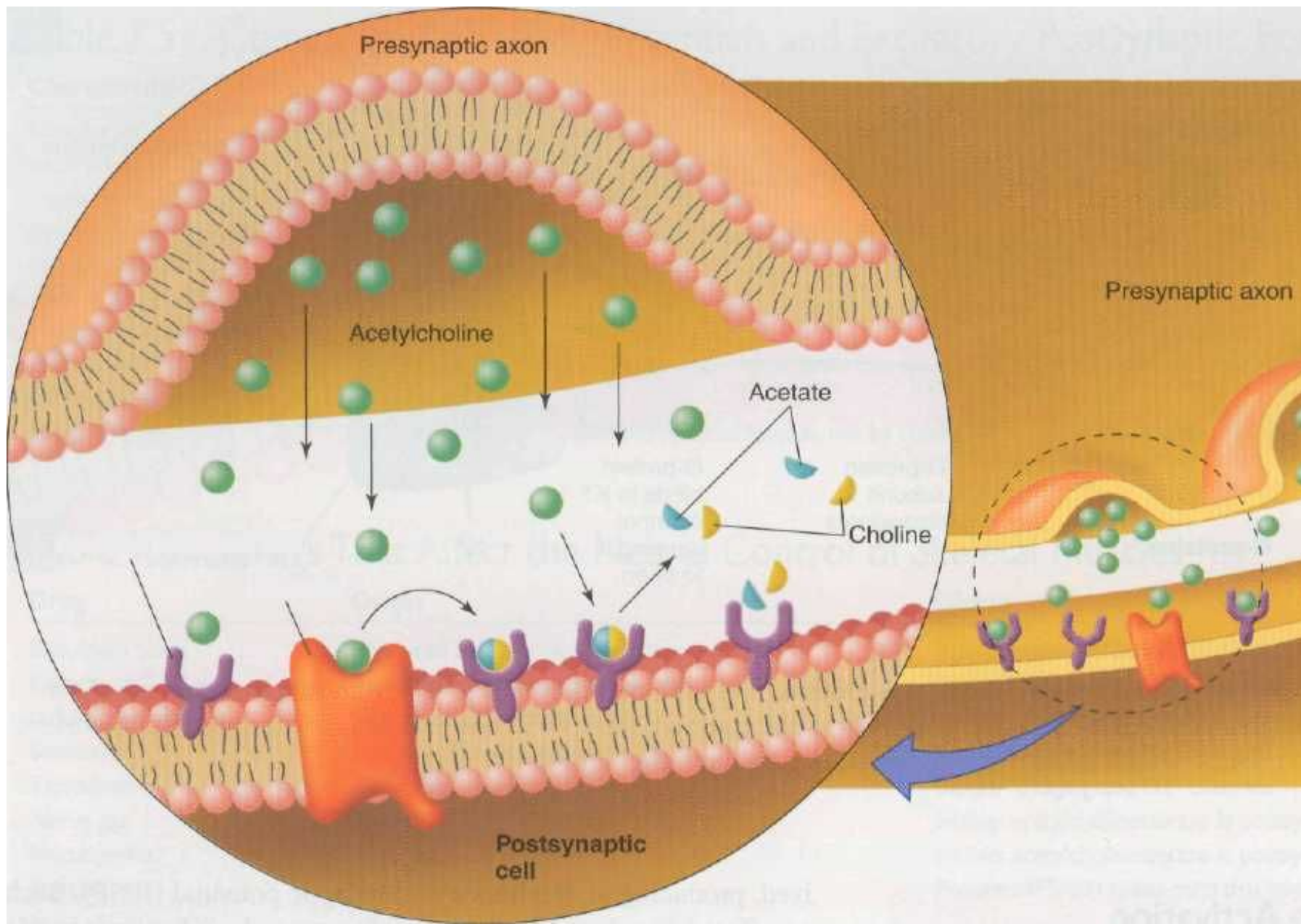




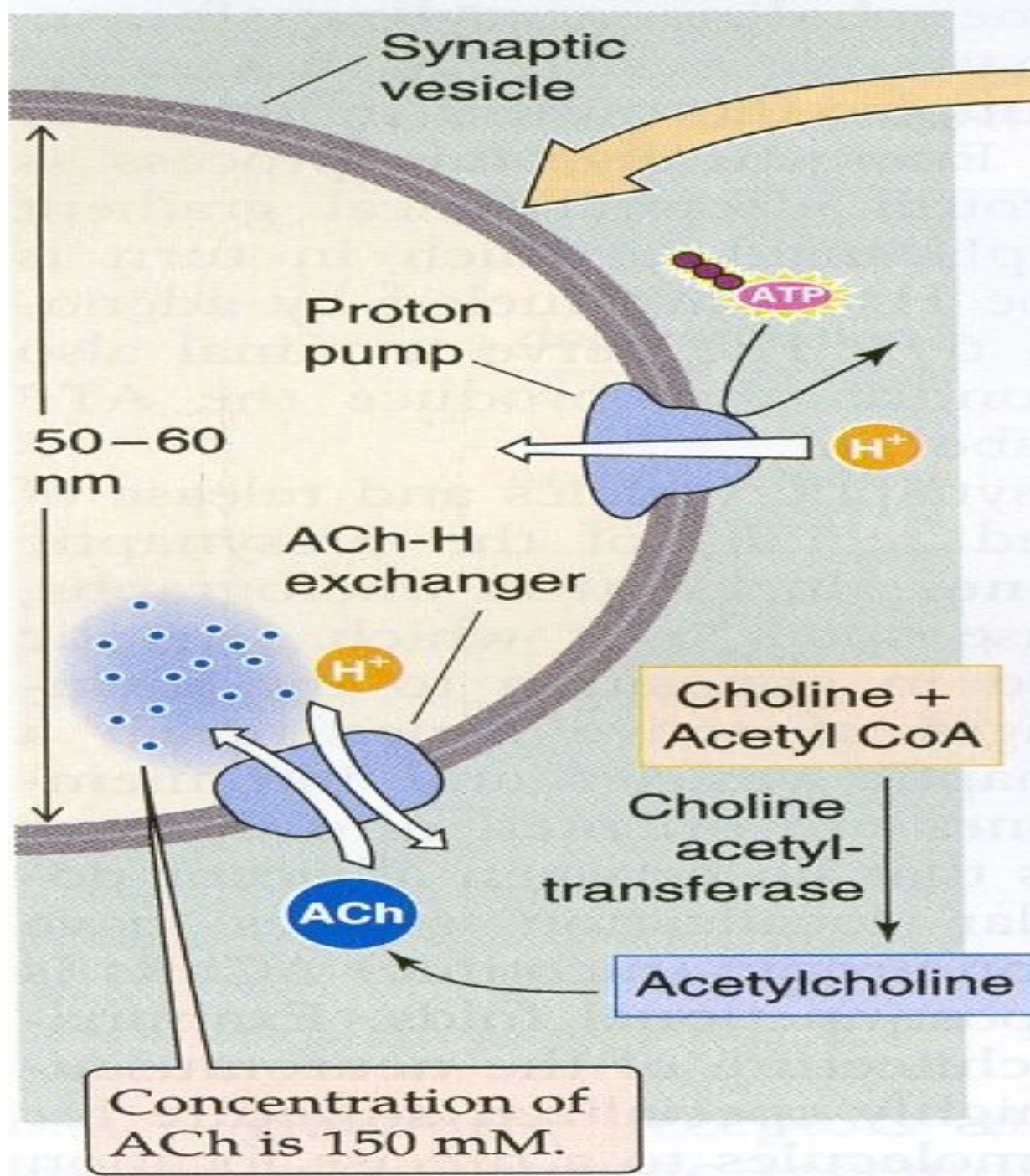
Механизм освобождения нейротрансмиттера



Действие холинэстеразы

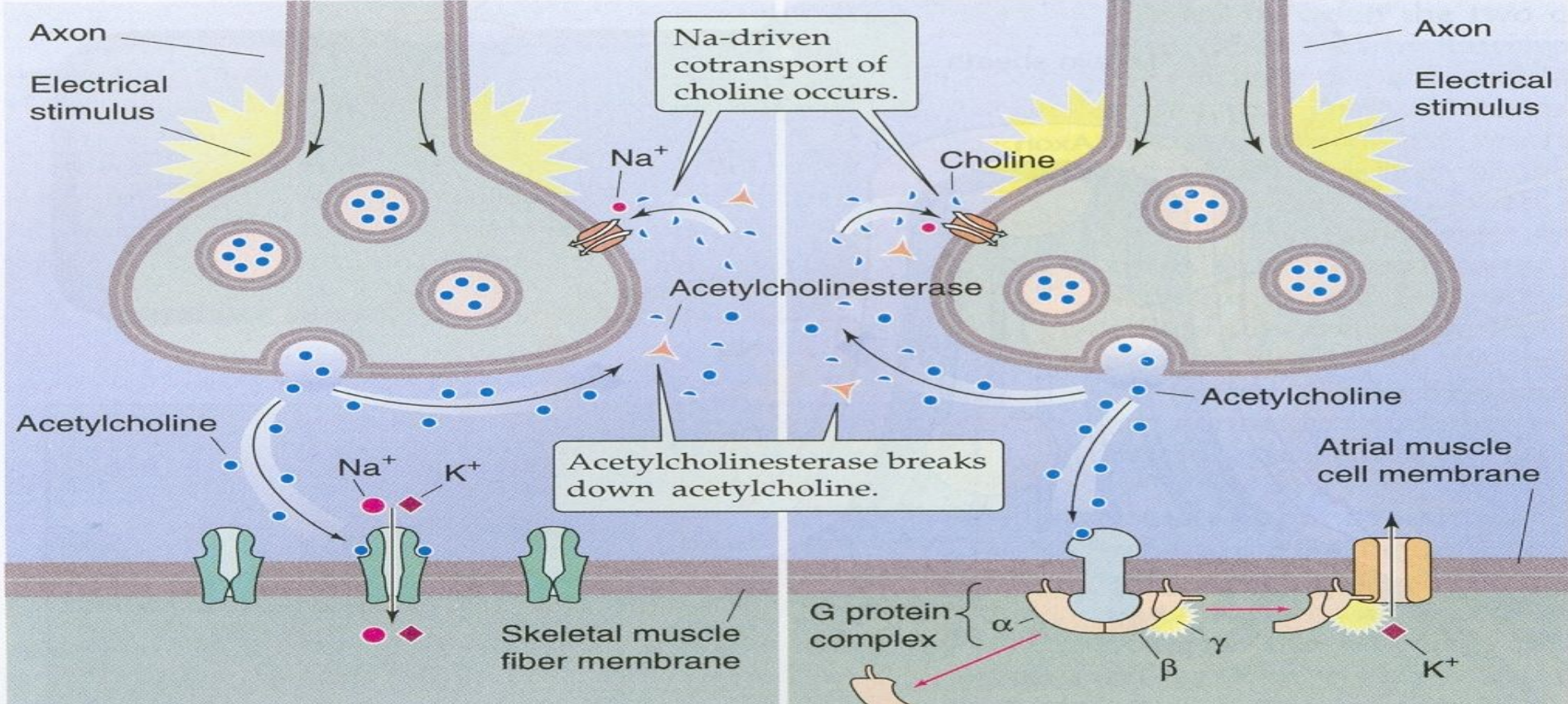


Синаптическая везикула



A IONOTROPIC RECEPTOR

B METABOTROPIC RECEPTOR



Nicotinic ACh receptor channel activation

Membrane depolarization

Action potential excitation

Muscle contraction

G protein complex
α
β
γ
GTP

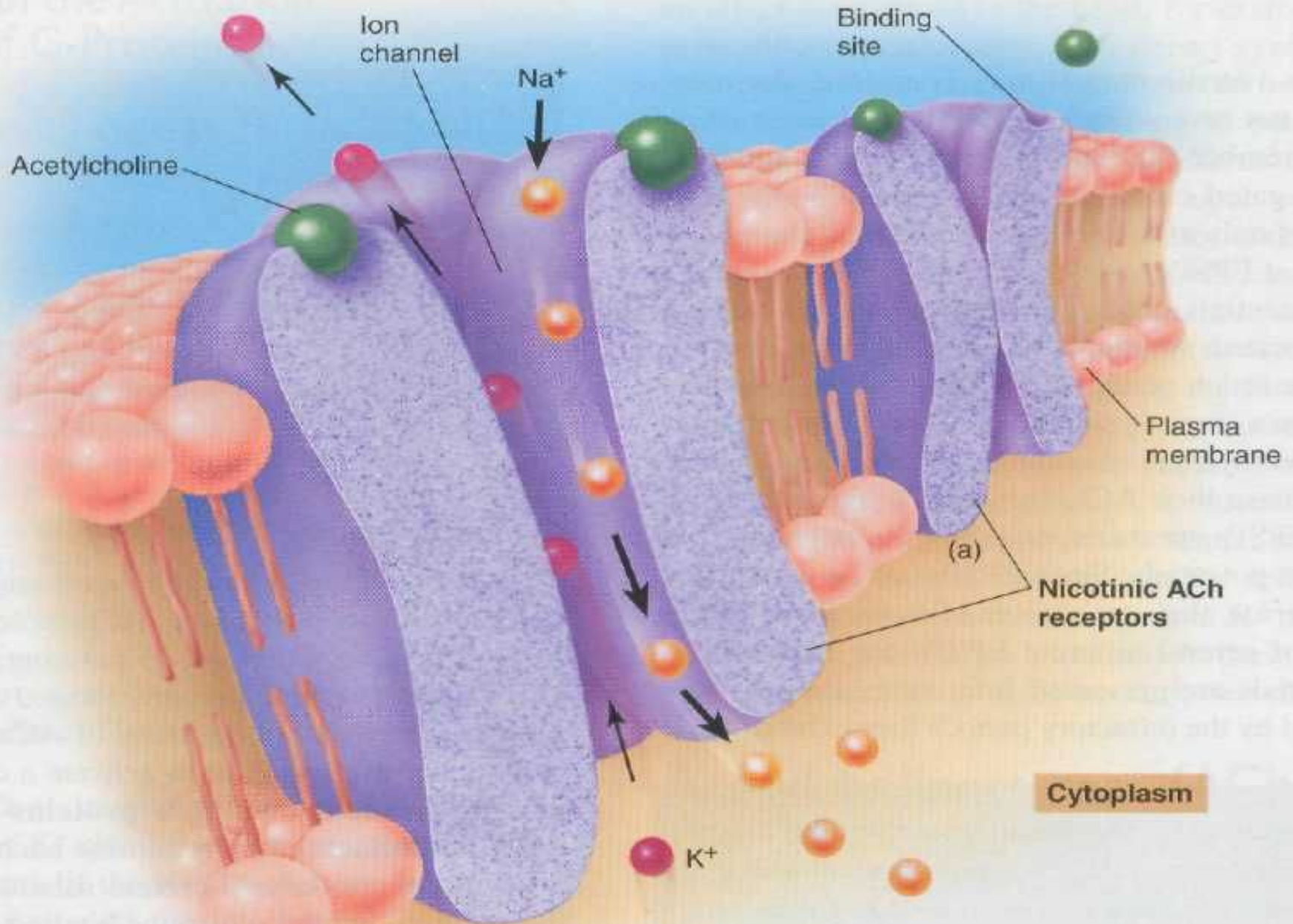
Muscarinic ACh receptor activation

Release of α-GTP + βγ from the heterotrimeric G protein

Activation of inward rectifier K⁺ channel by βγ

Membrane hyperpolarization

Н-холинорецепторы



M-холинорецепторы

