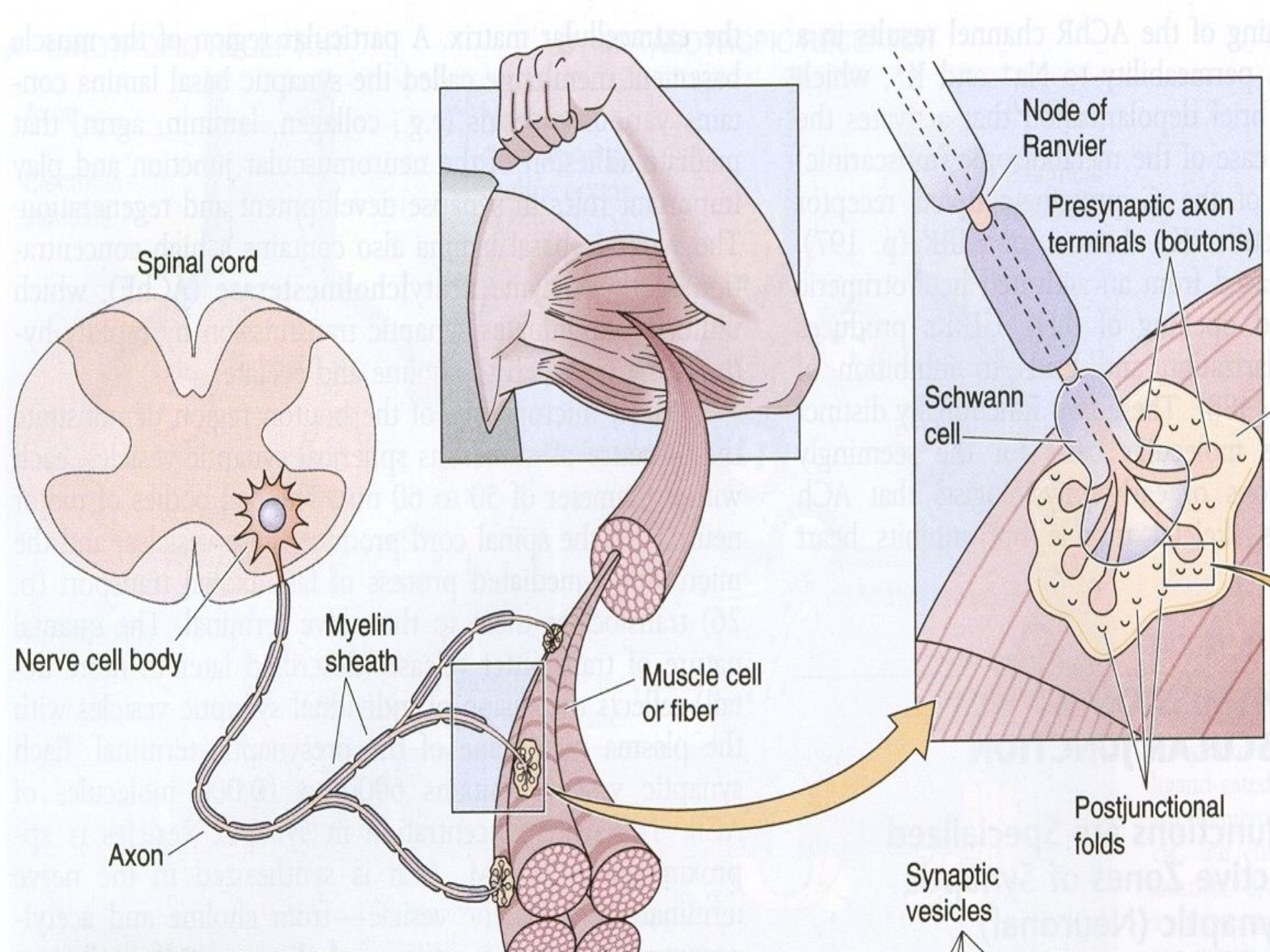
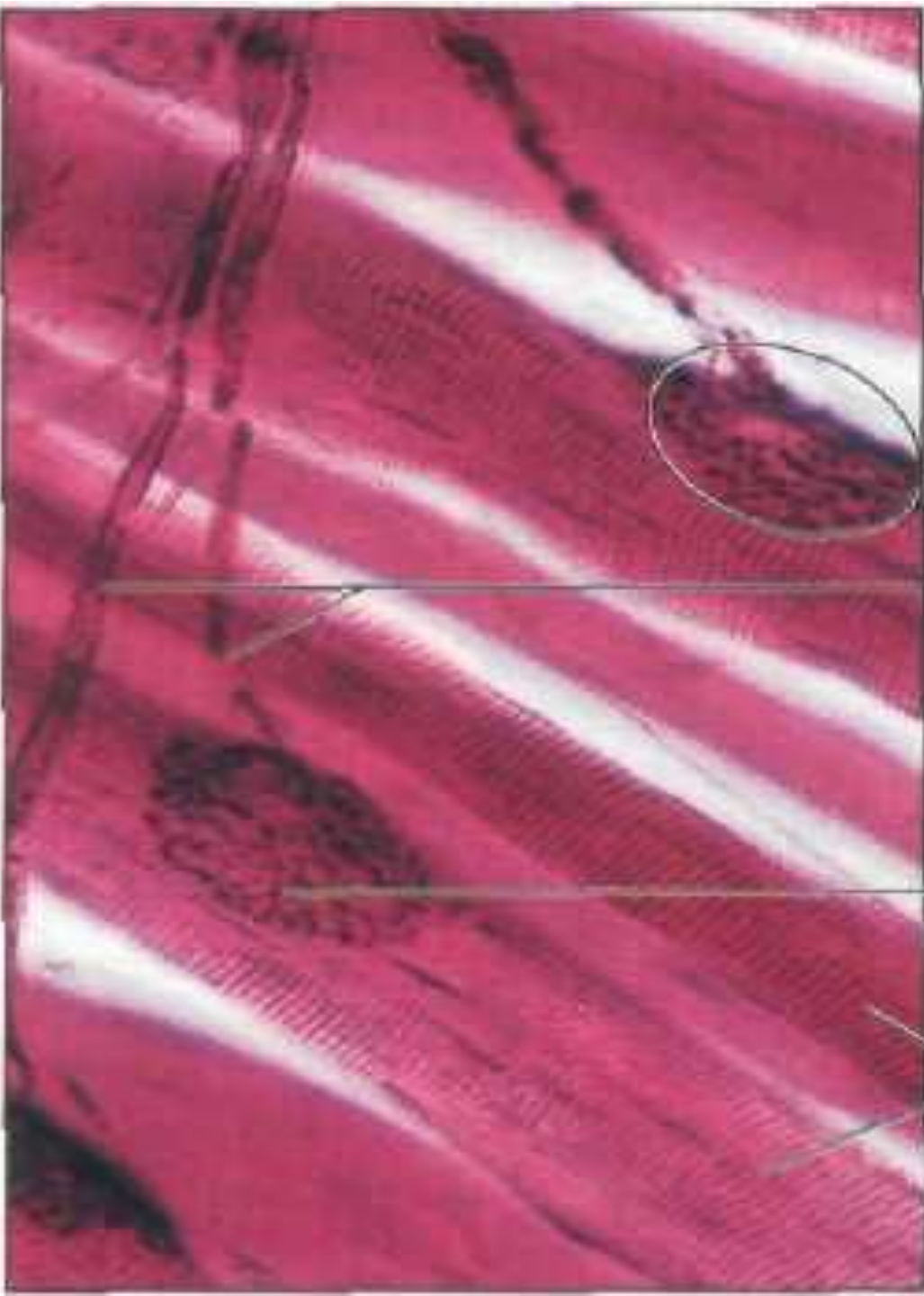


Сигналы





# Нервно-мышечный синапс



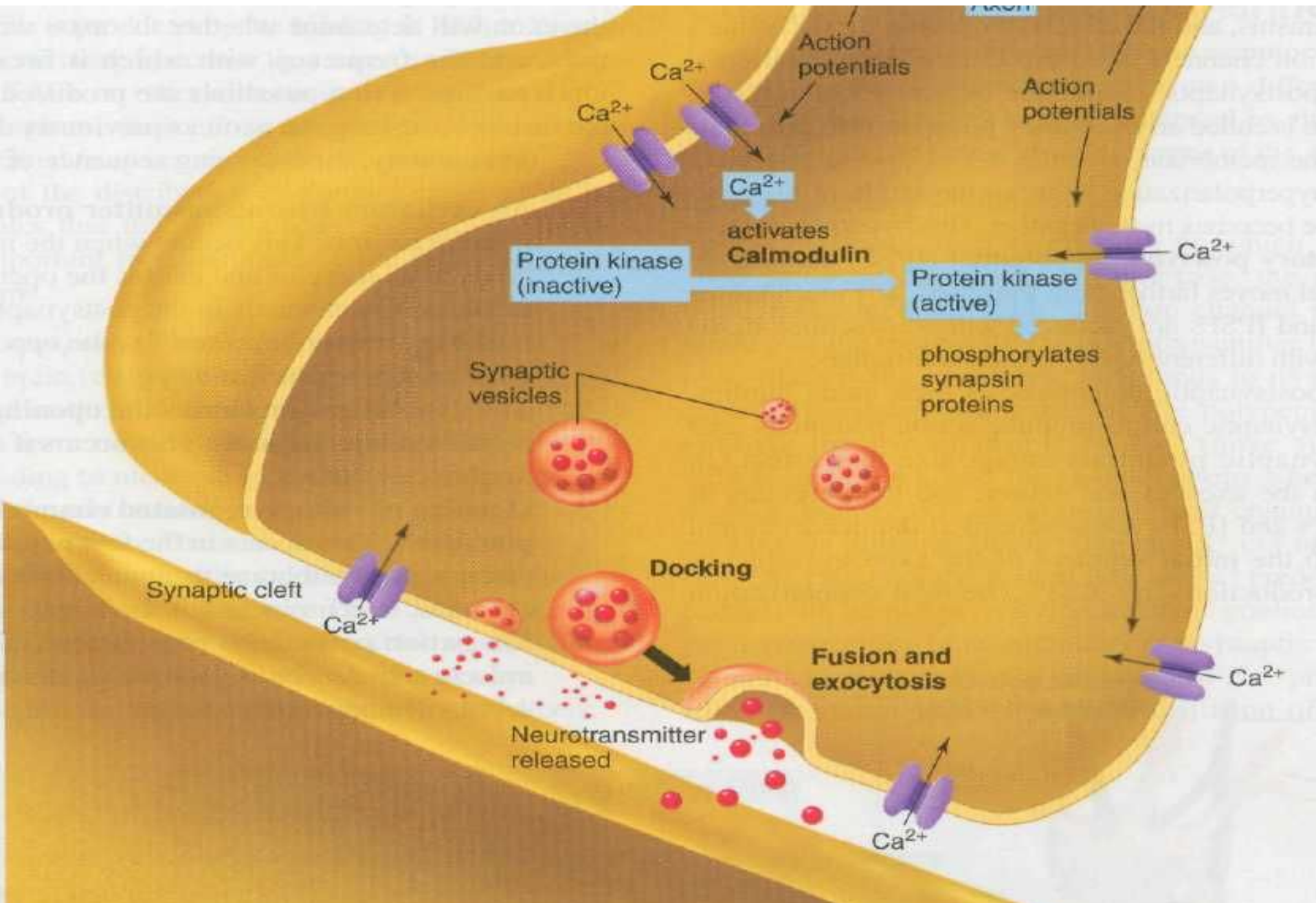
Neuromuscular junction

Somatic motor axons

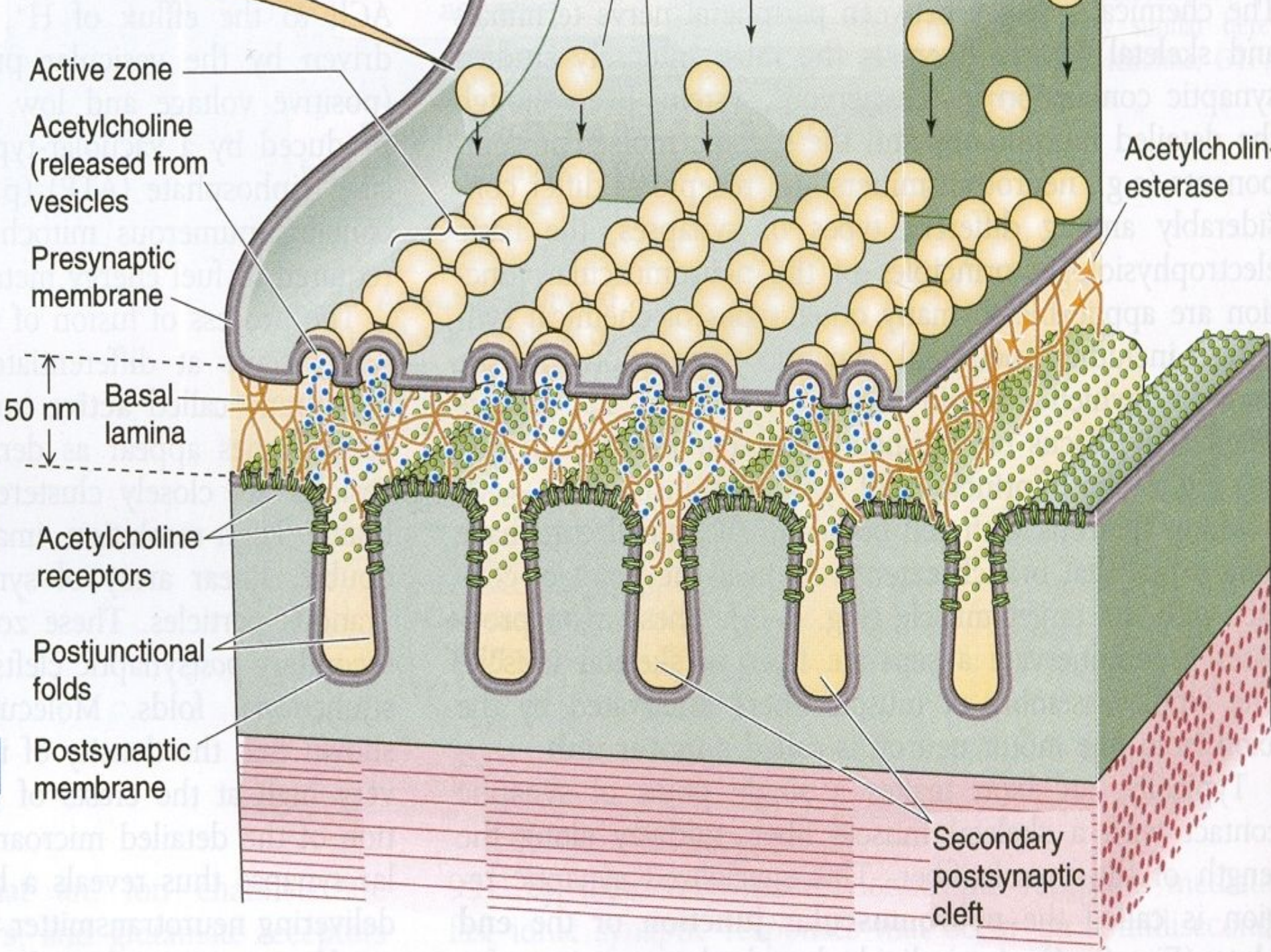
Motor end plate of muscle

Muscle fibers

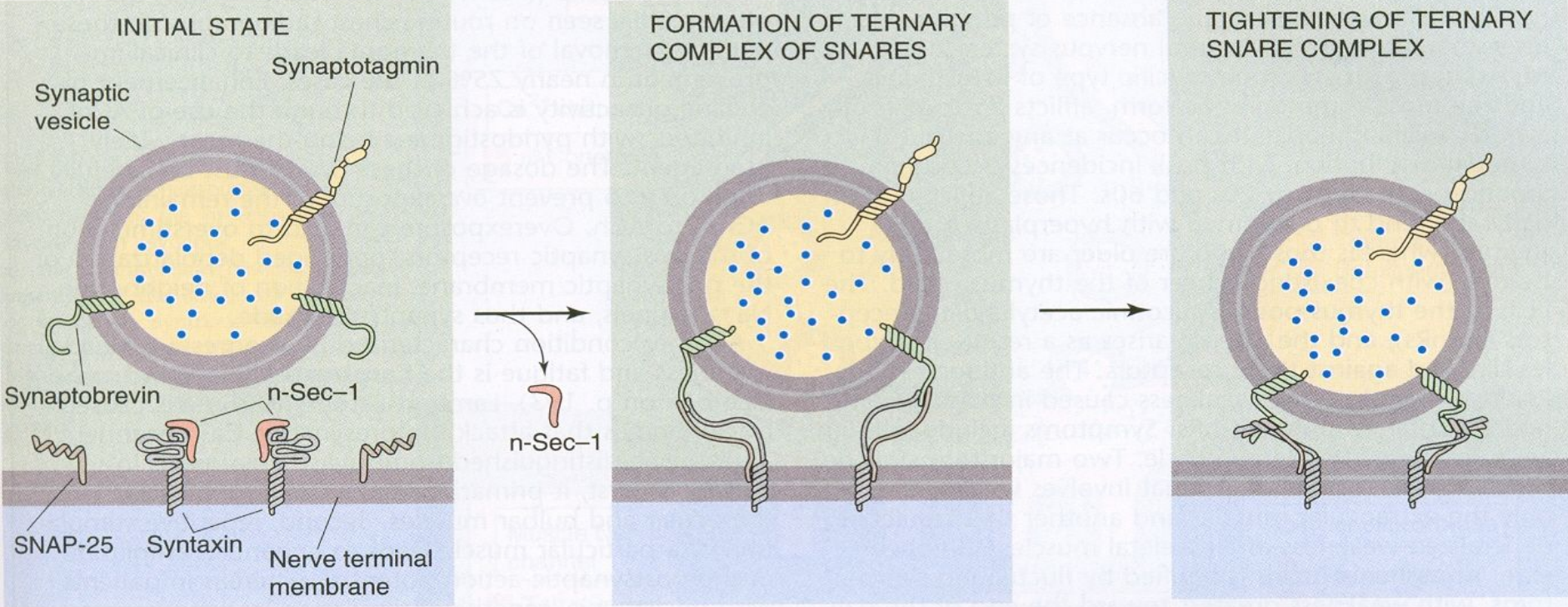
# Освобождение нейротрансмиттера



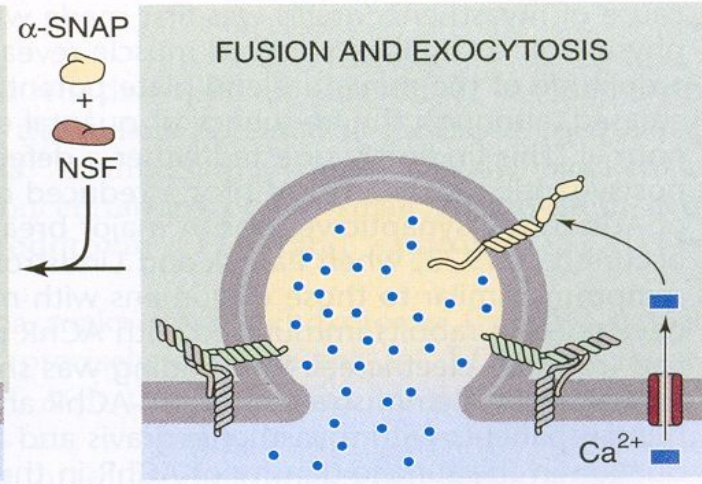
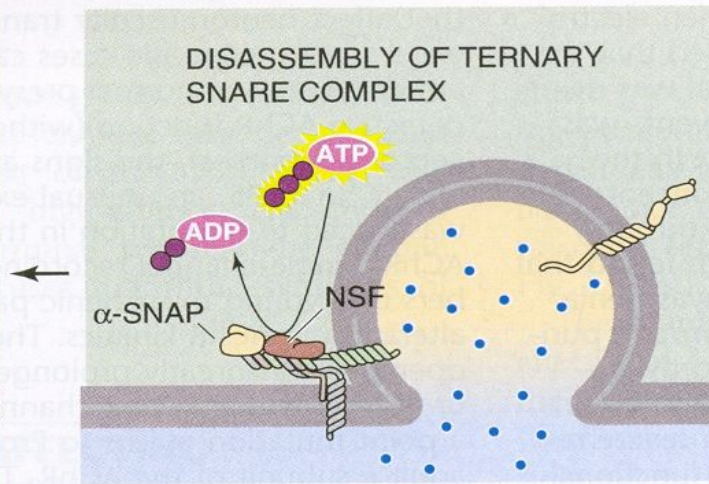
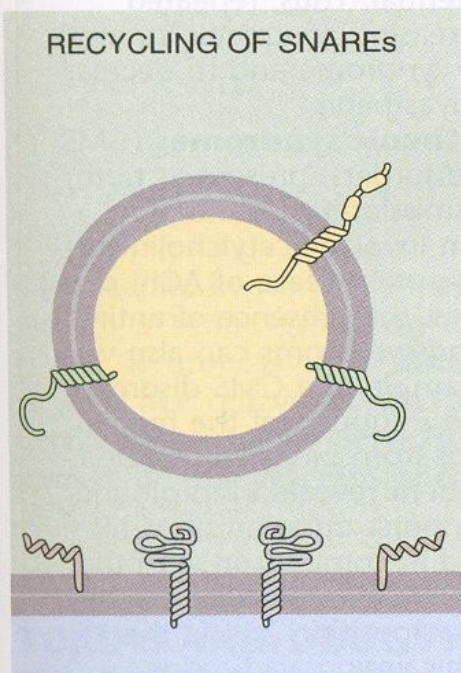






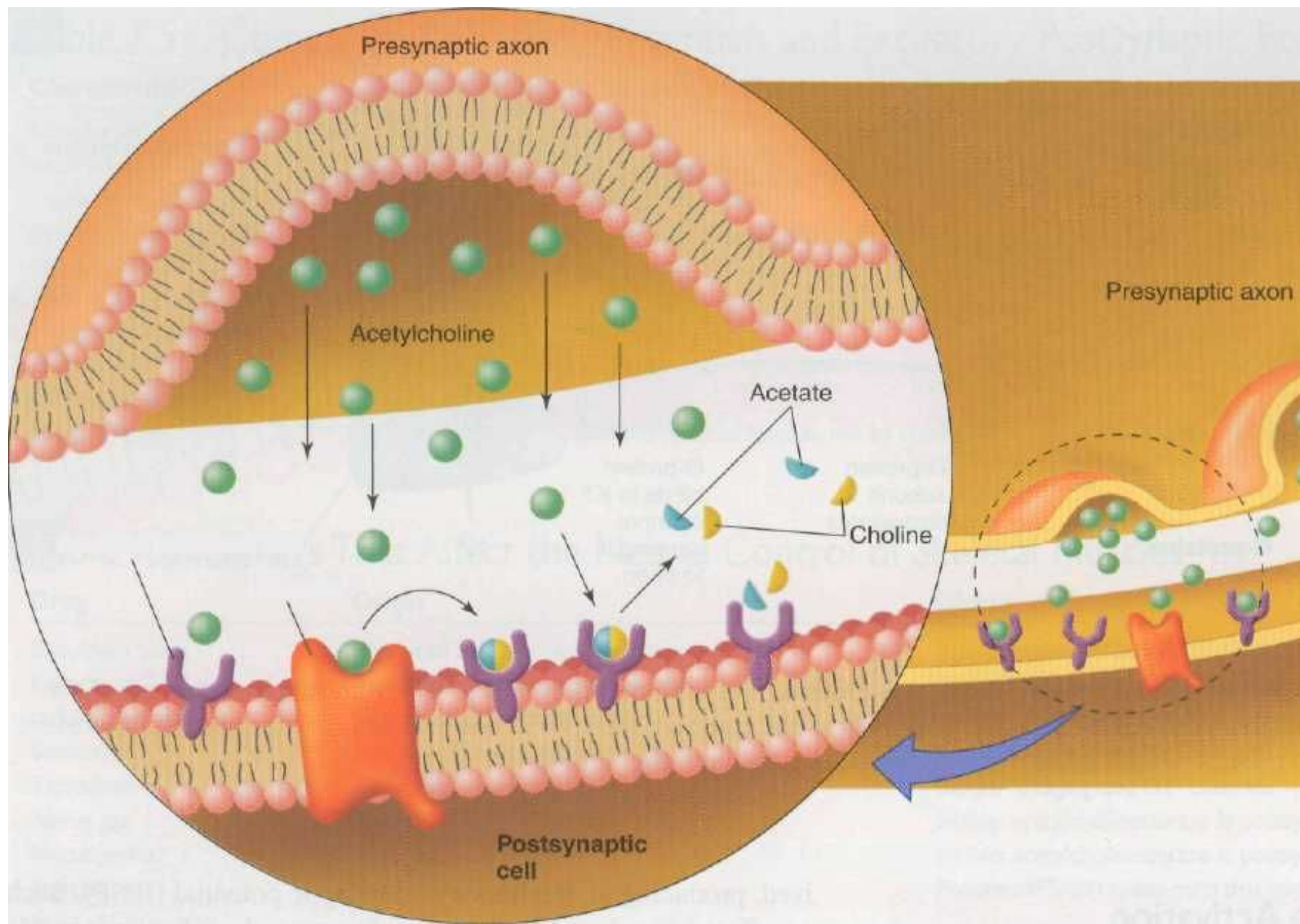


## Механизм освобождения нейротрансммиттера

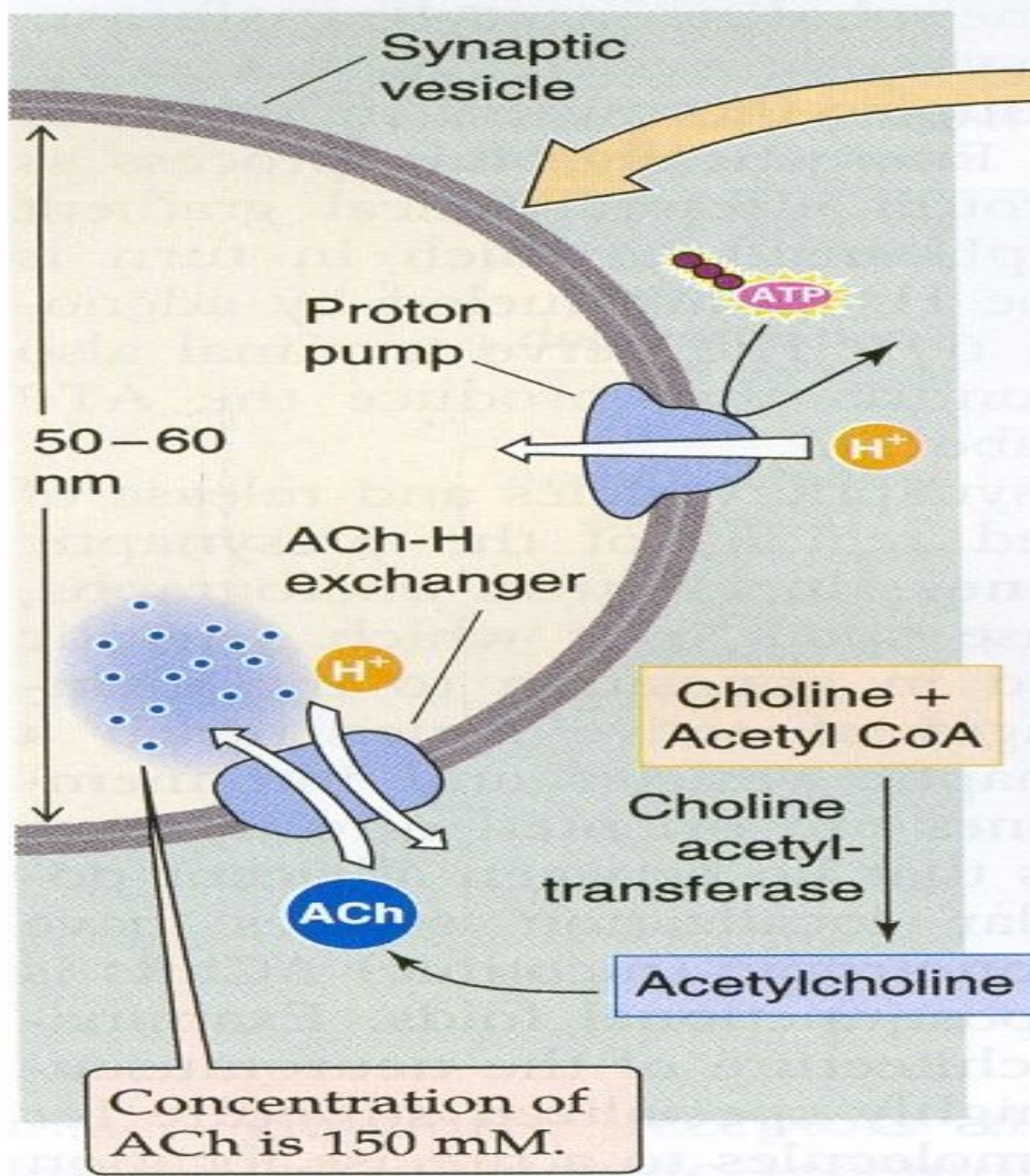




# Действие холинэстеразы



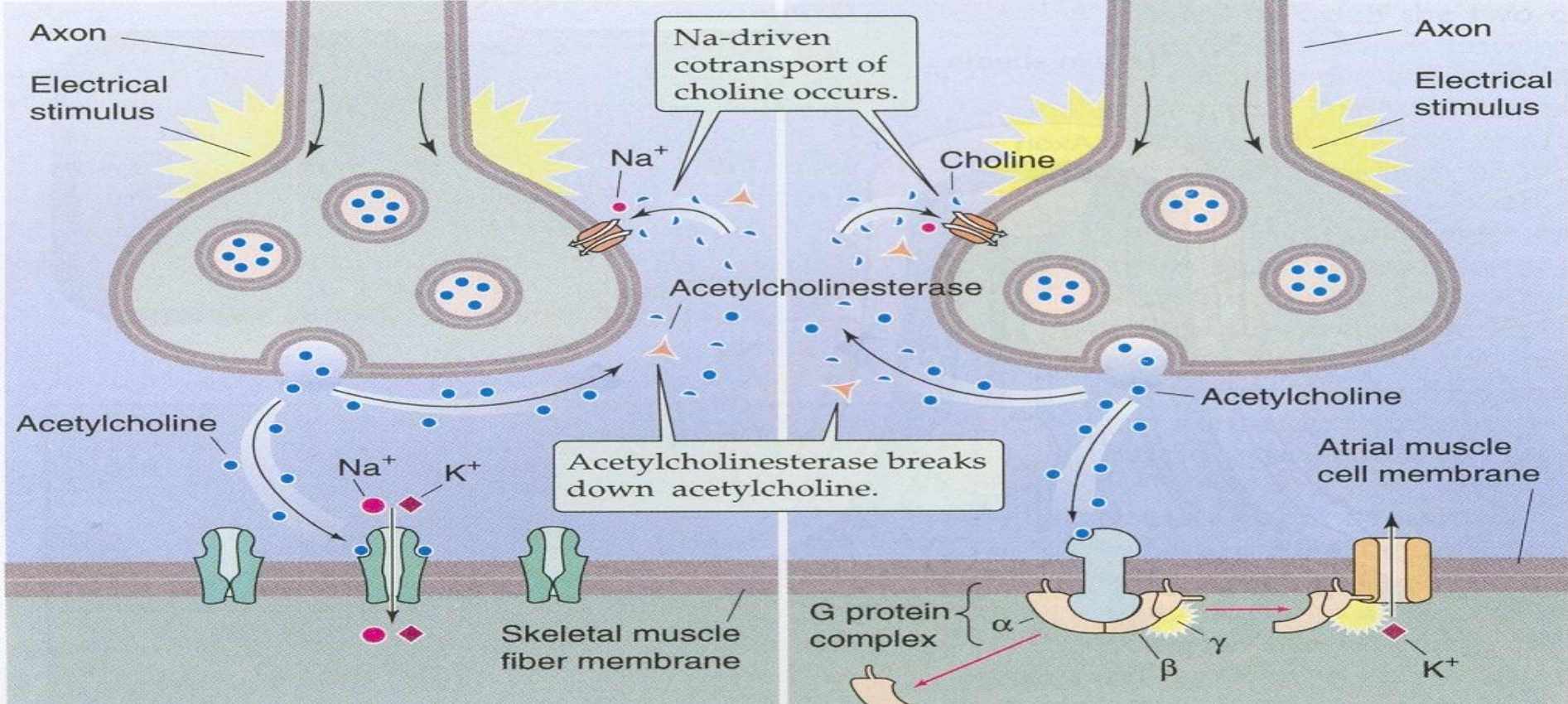
# Синаптическая везикула





**A IONOTROPIC RECEPTOR**

**B METABOTROPIC RECEPTOR**



Nicotinic ACh receptor channel activation

Membrane depolarization

Action potential excitation

Muscle contraction

Muscarinic ACh receptor activation

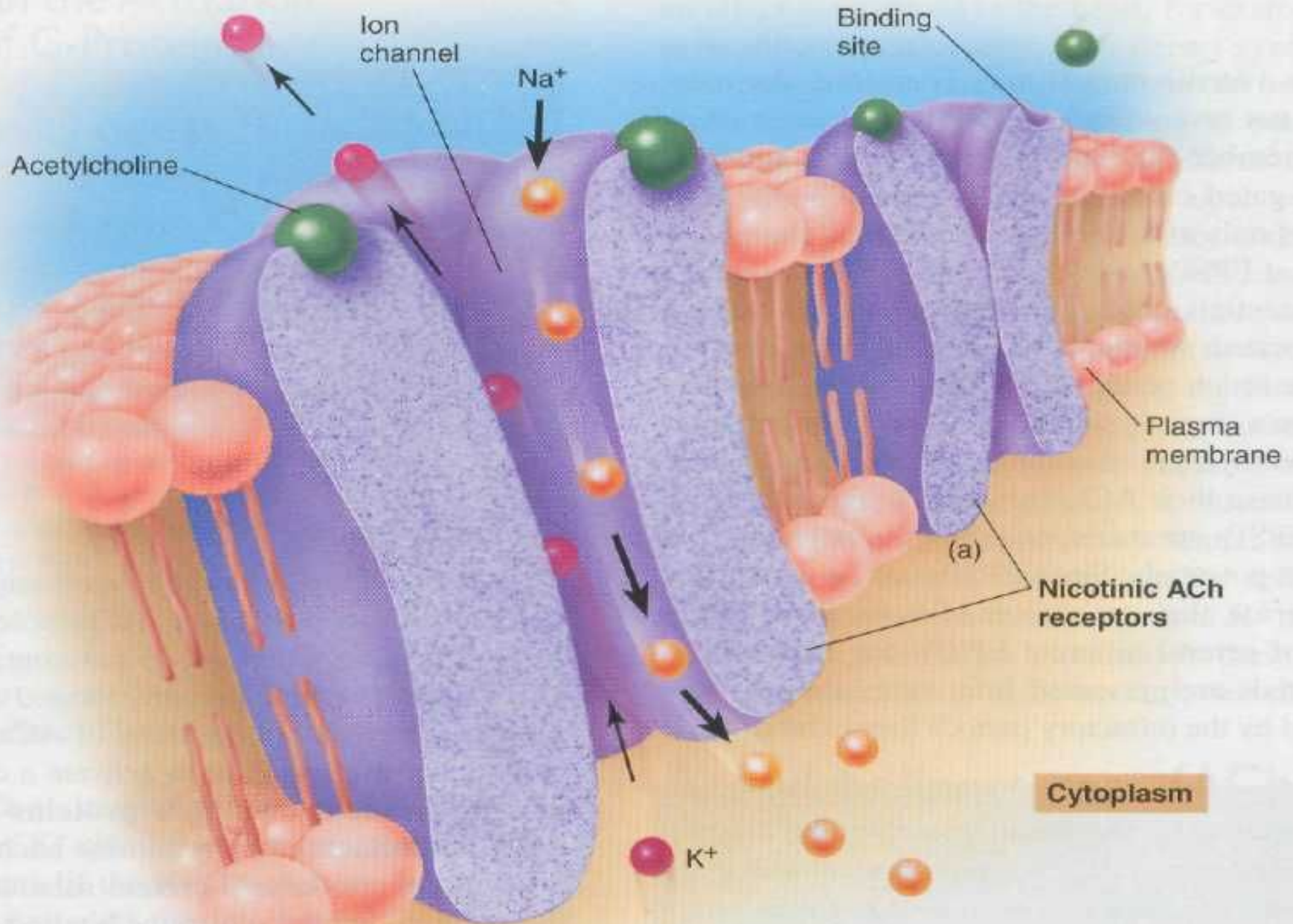
Release of α-GTP + βγ from the heterotrimeric G protein

Activation of inward rectifier K<sup>+</sup> channel by βγ

Membrane hyperpolarization



# Н-холинорецепторы





# M-холинорецепторы

