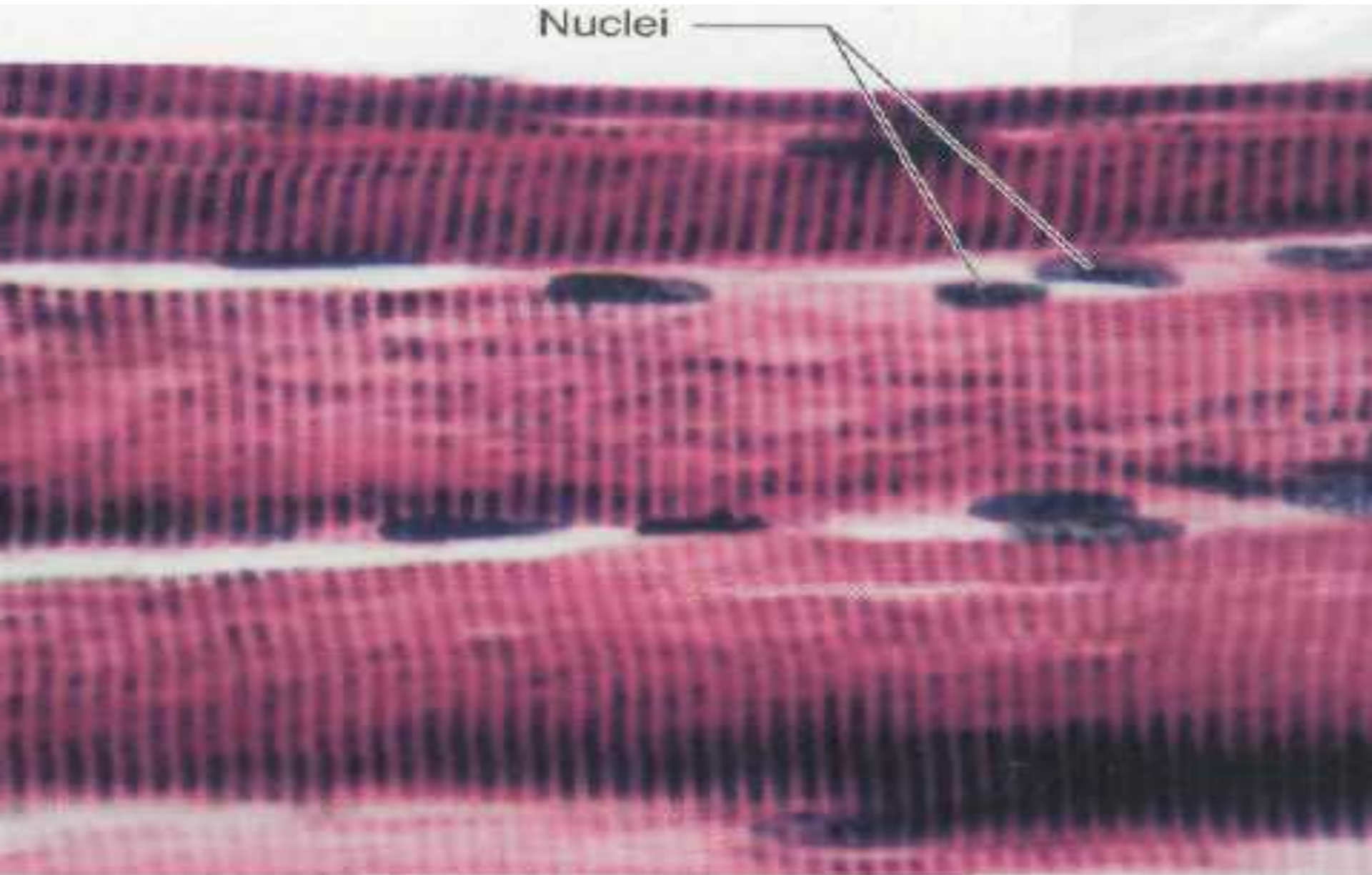


Сокращение скелетных мышц

Скелетная мышца



Periosteum covering
the bone

Tendon

Fascia

Skeletal
muscle

Epimysium

Perimysium

Fasciculus

Endomysium

Muscle
fiber (cell)

Endomysium

Striations

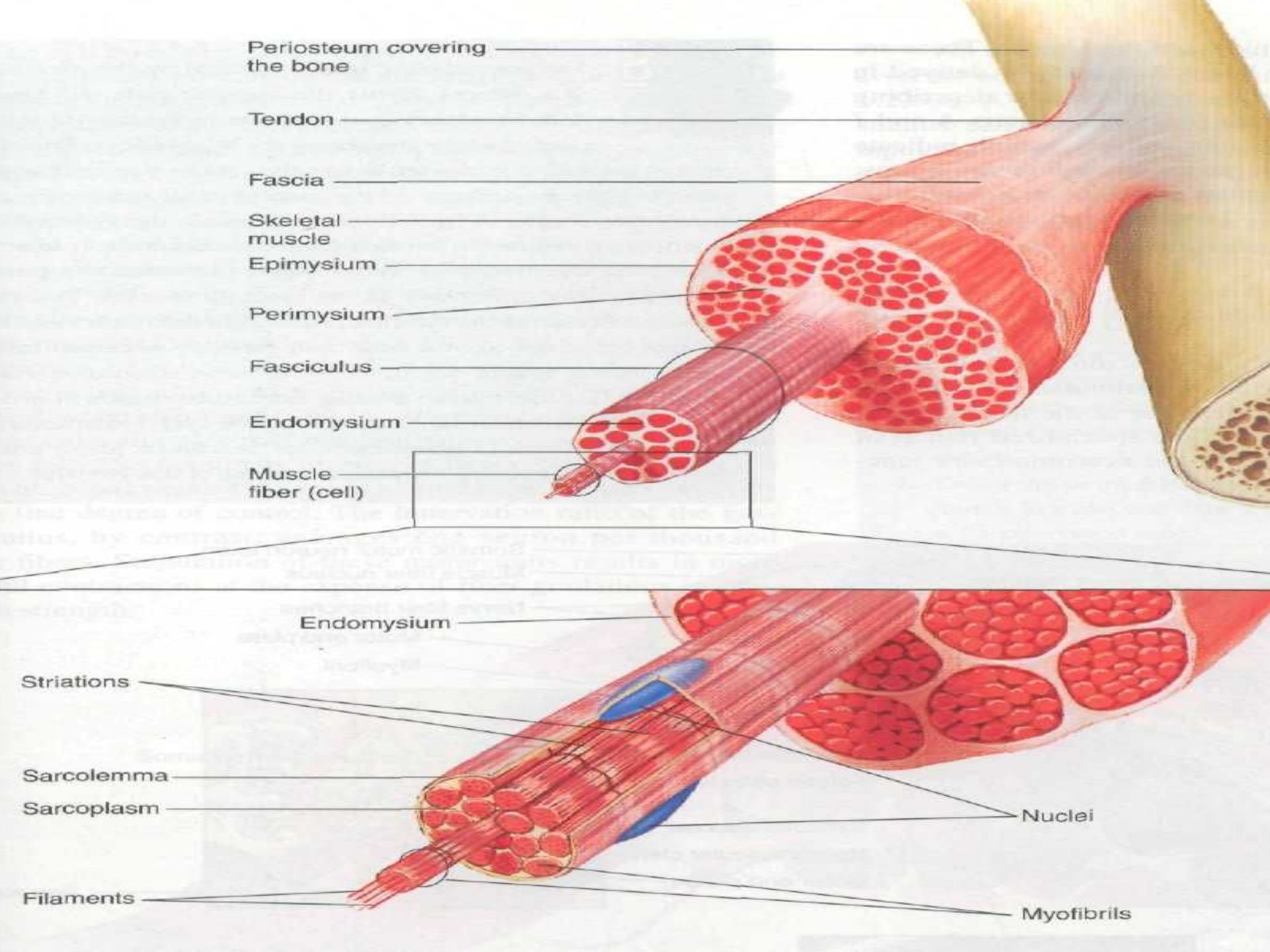
Sarcolemma

Sarcoplasm

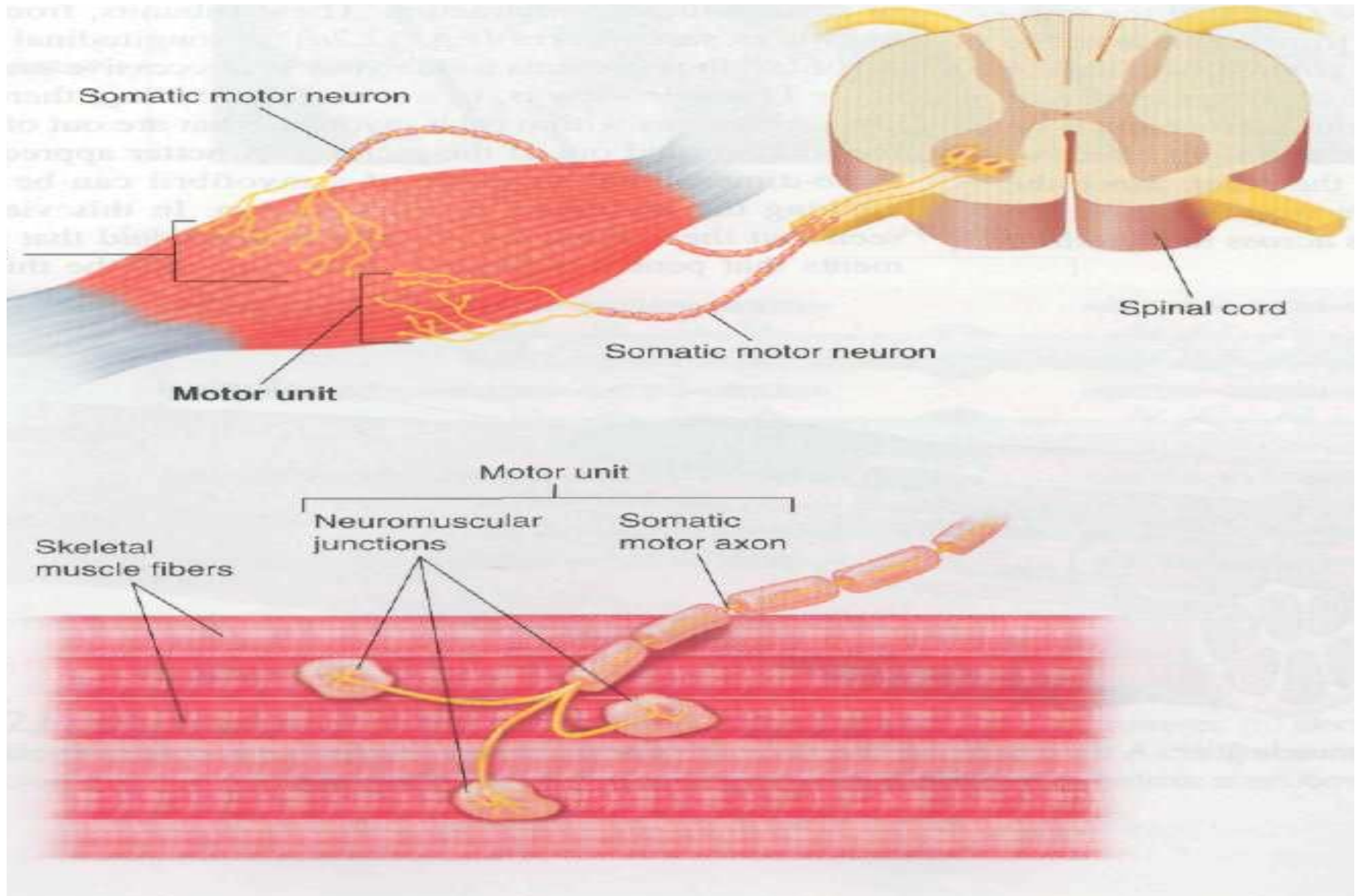
Filaments

Nuclei

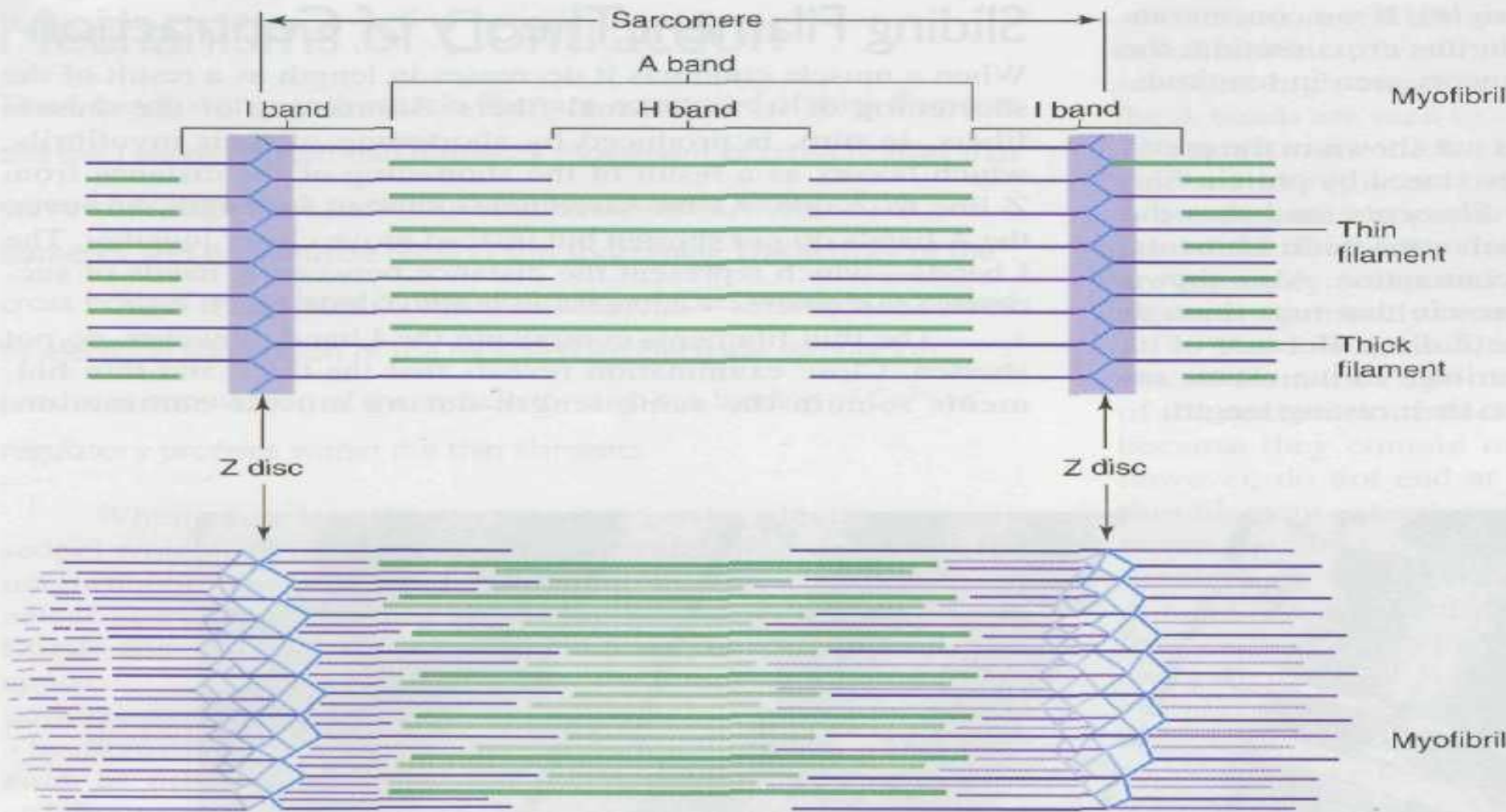
Myofibrils



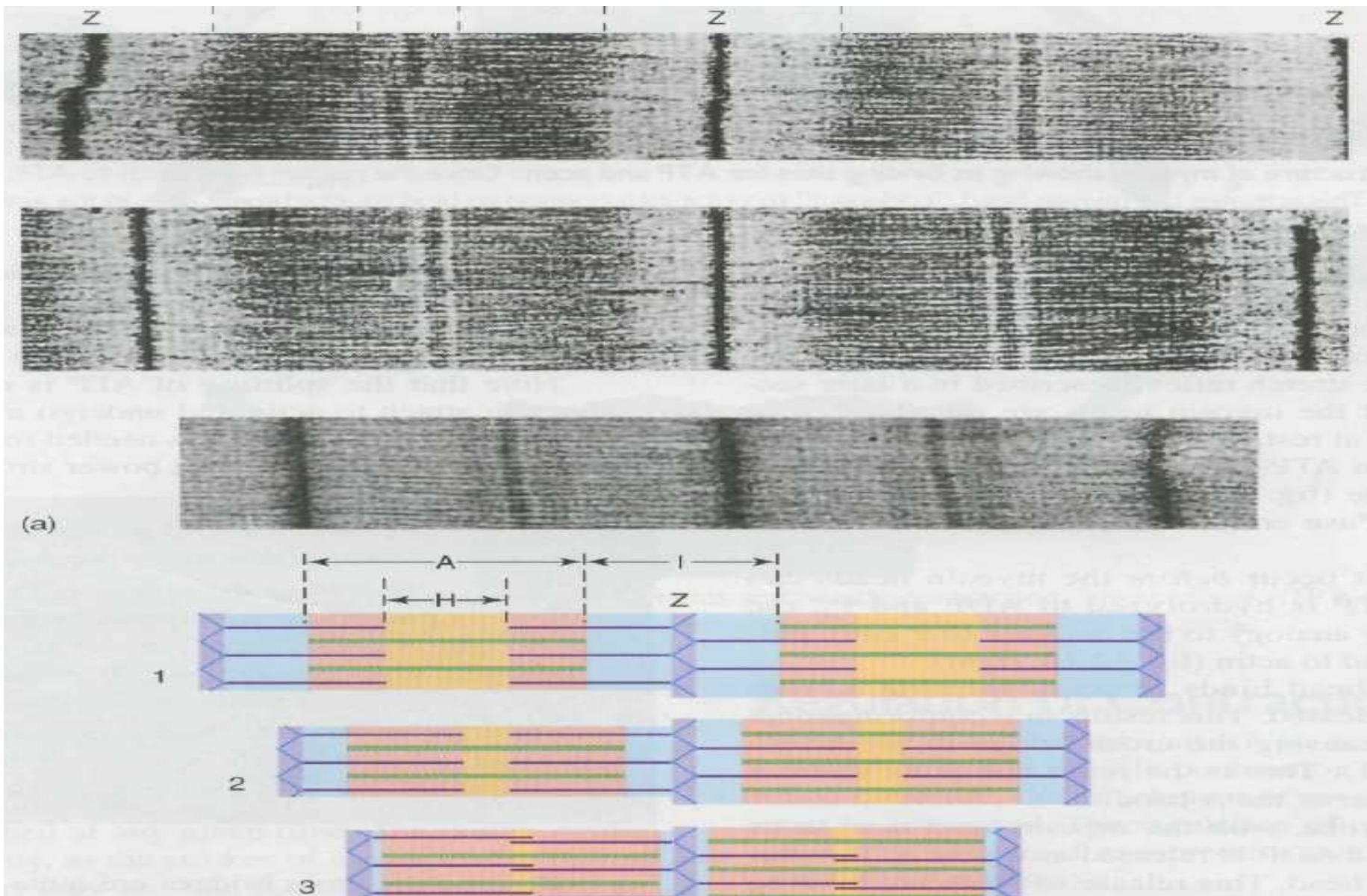
Нейро-моторная единица



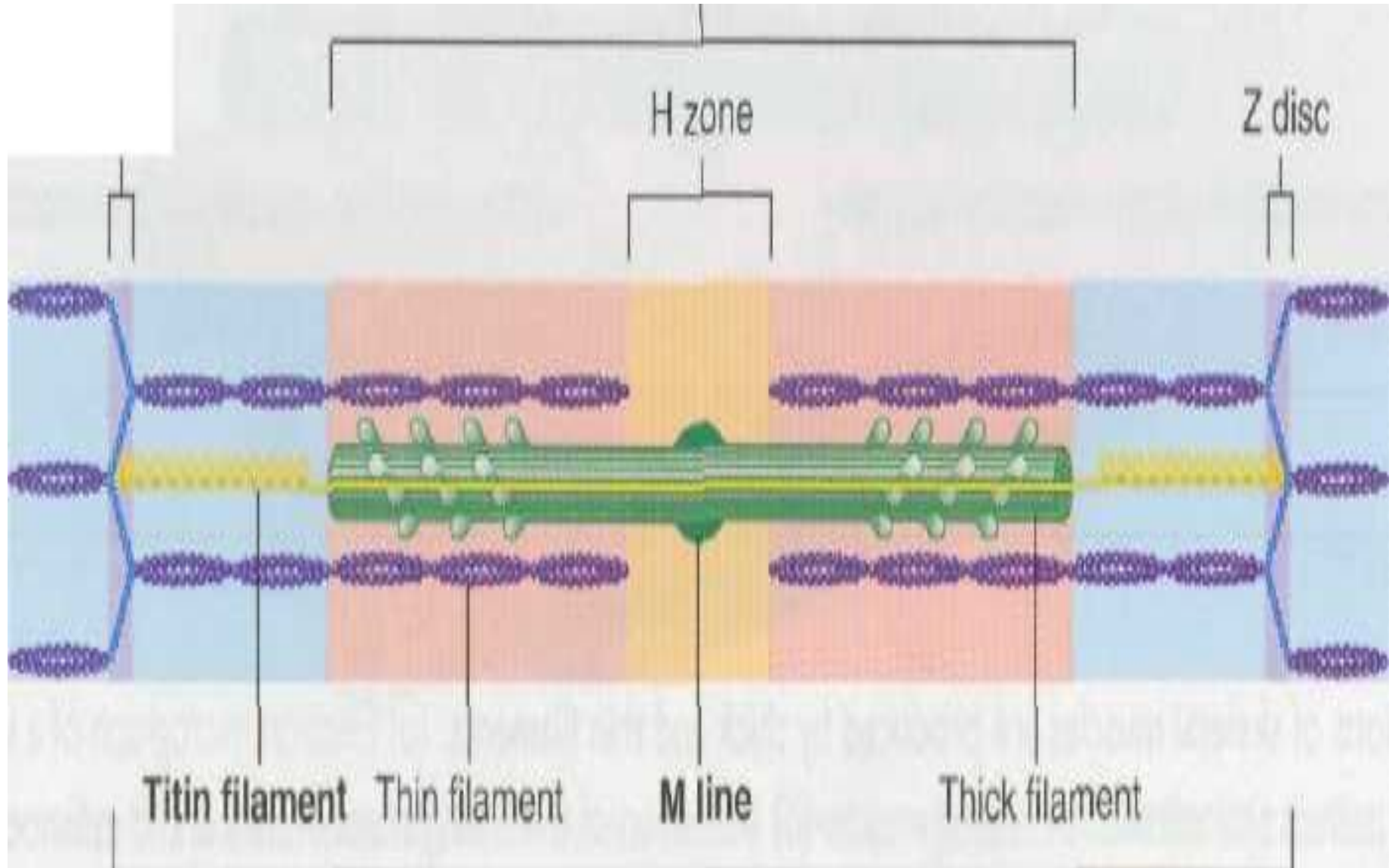
Строение саркомера



Скольжение миофиламентов при сокращении

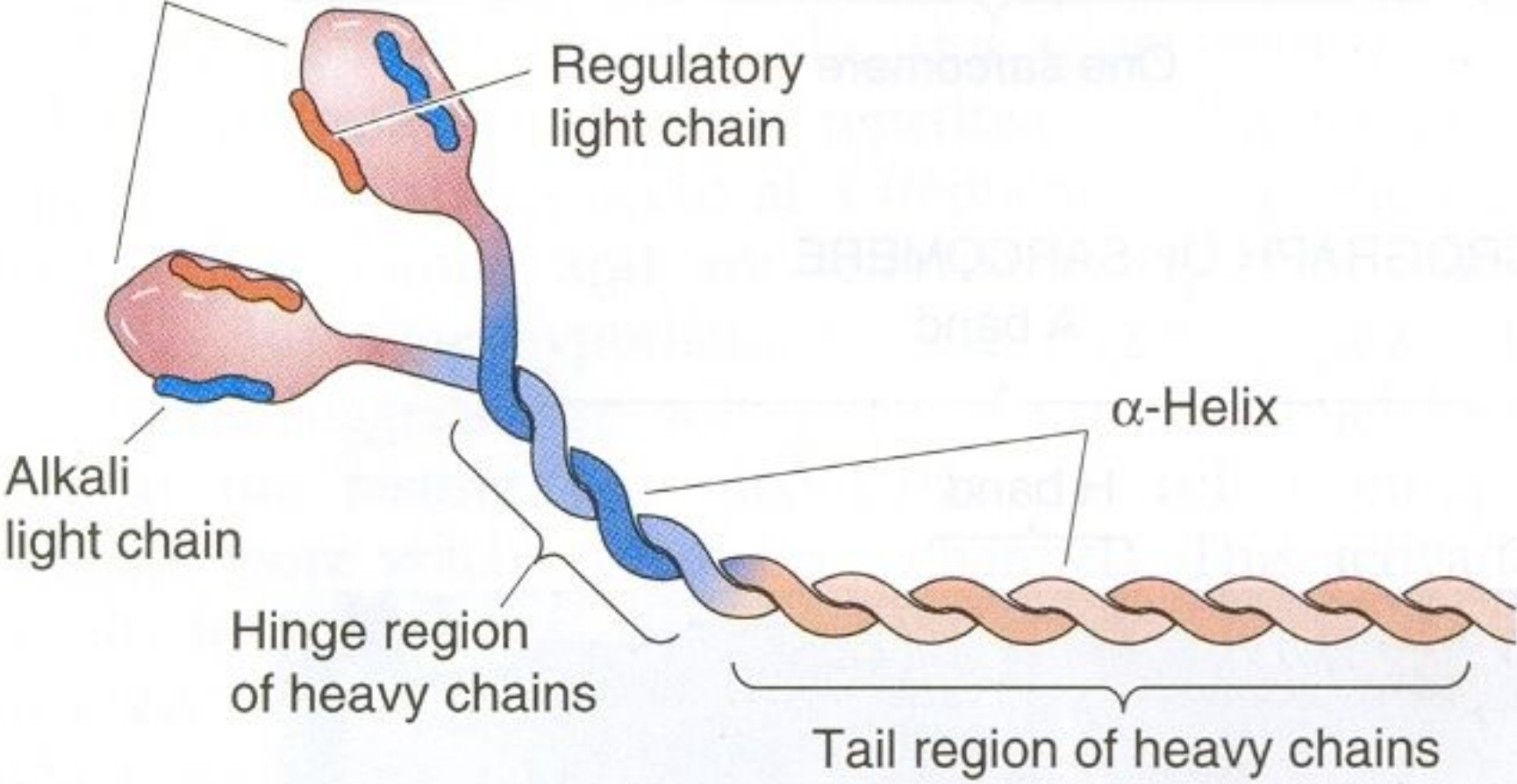


Строение саркомера



Молекула миозина

Heads of myosin heavy chain (S_1)



Regulatory light chain

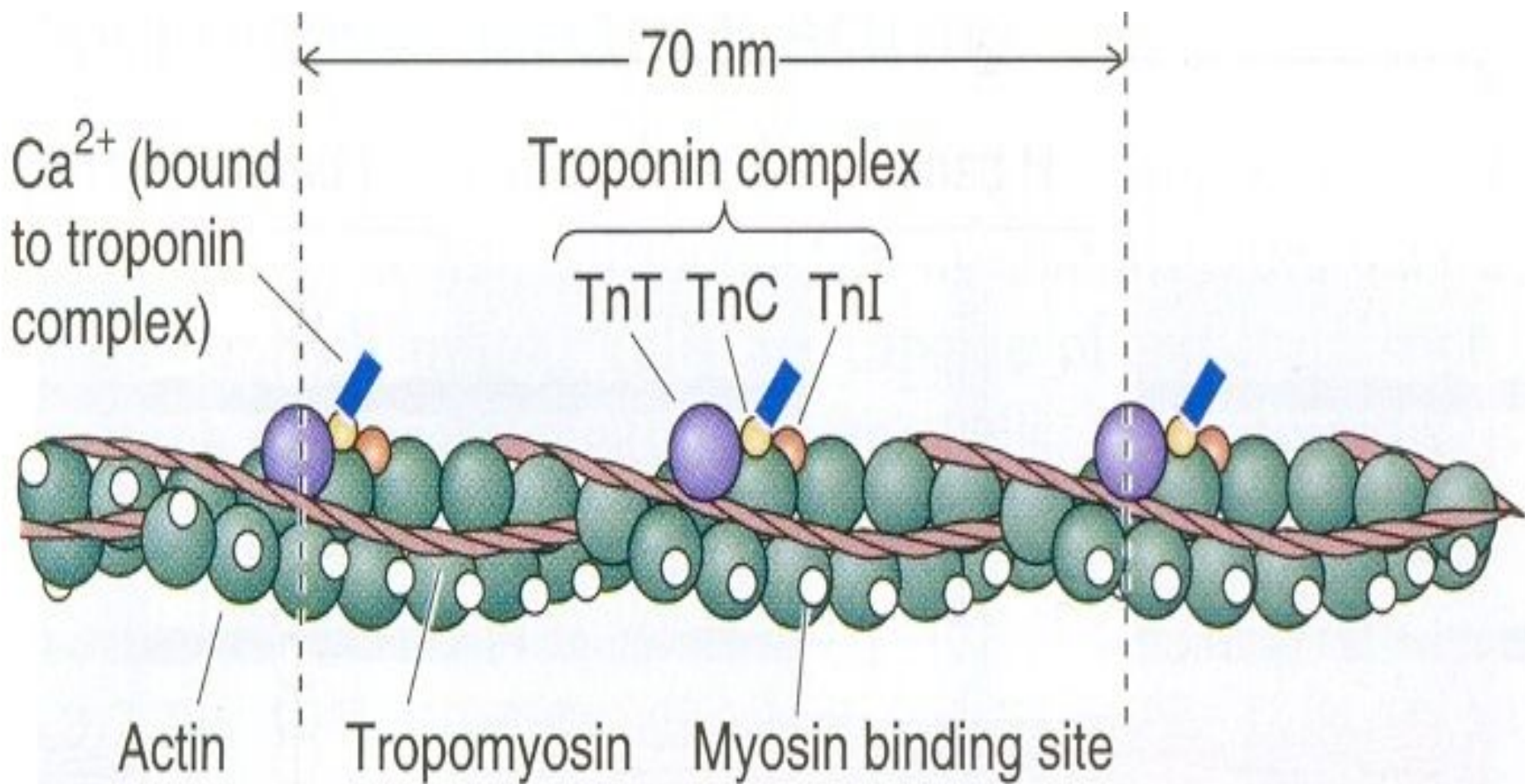
Alkali light chain

α -Helix

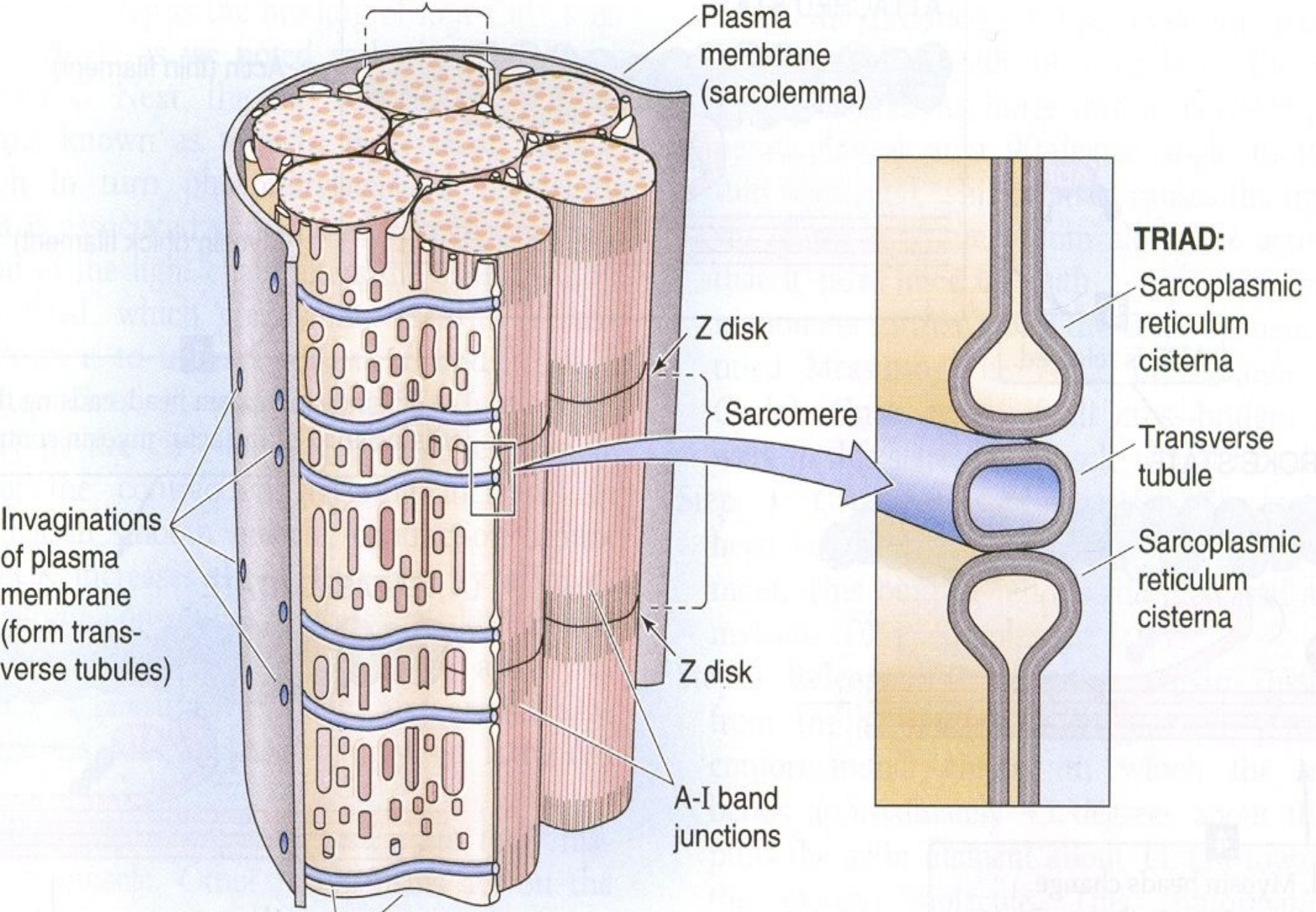
Hinge region of heavy chains

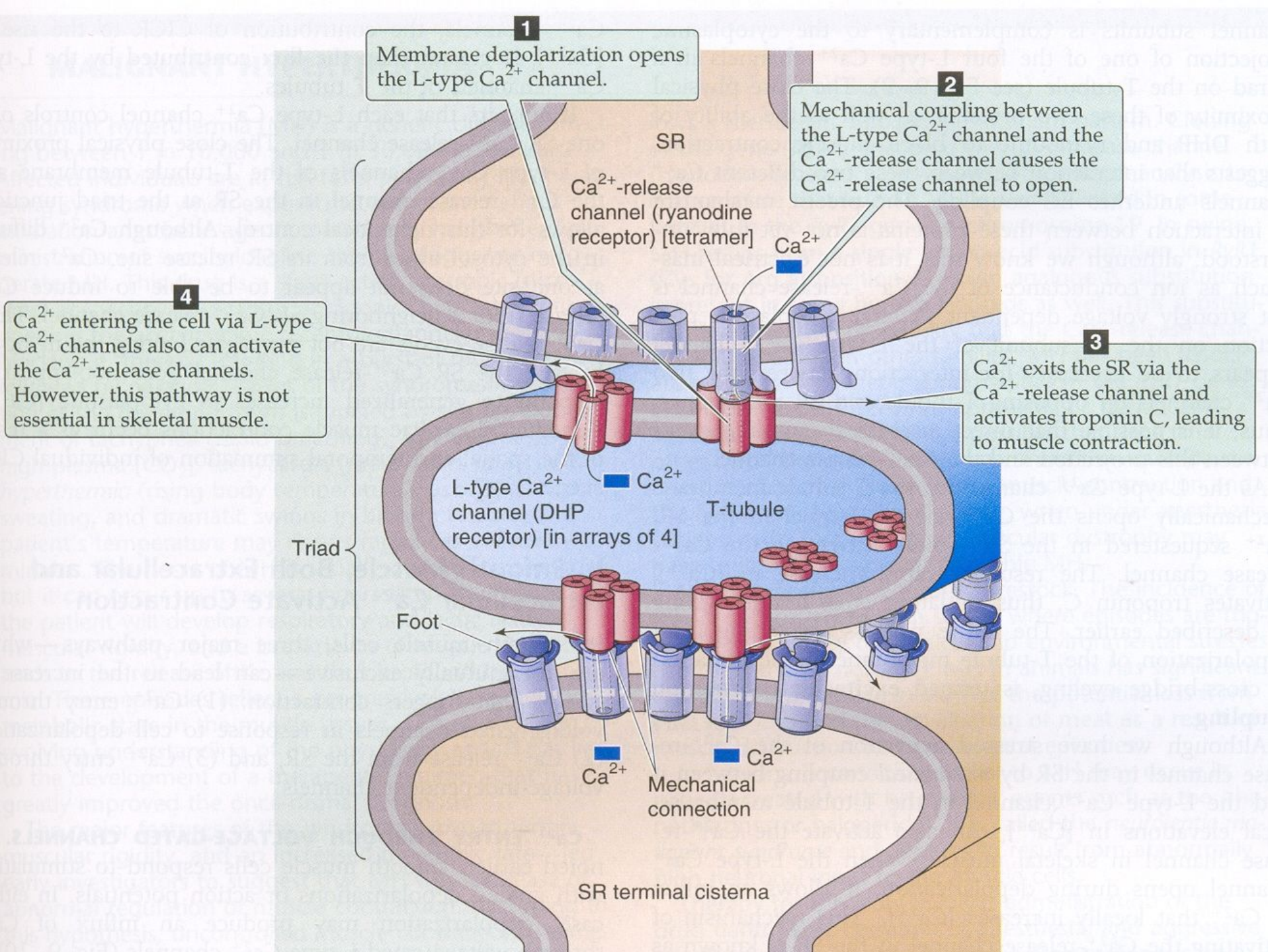
Tail region of heavy chains

Актин, тропонин и тропомиозин

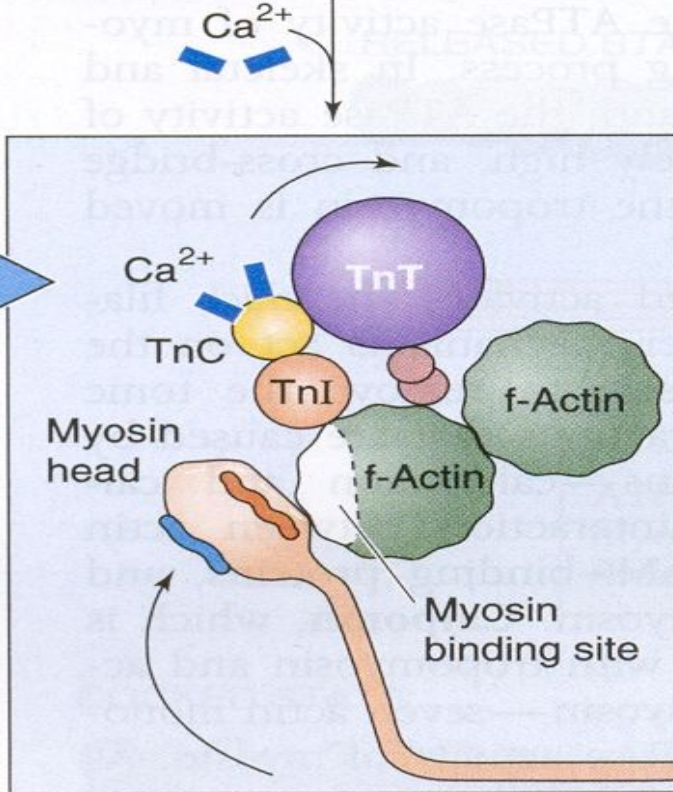
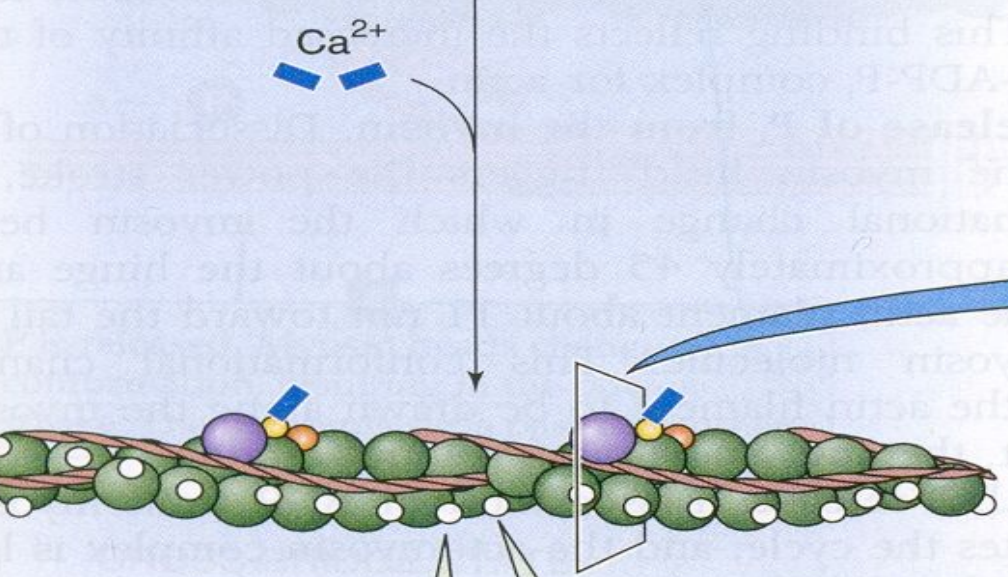
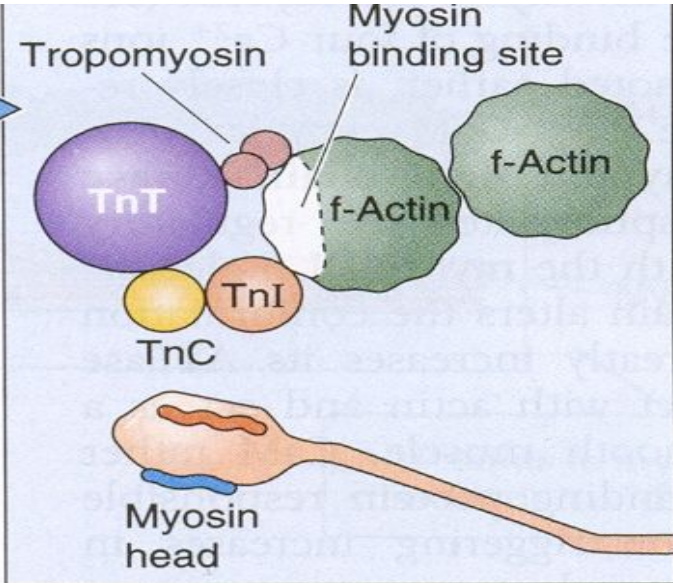
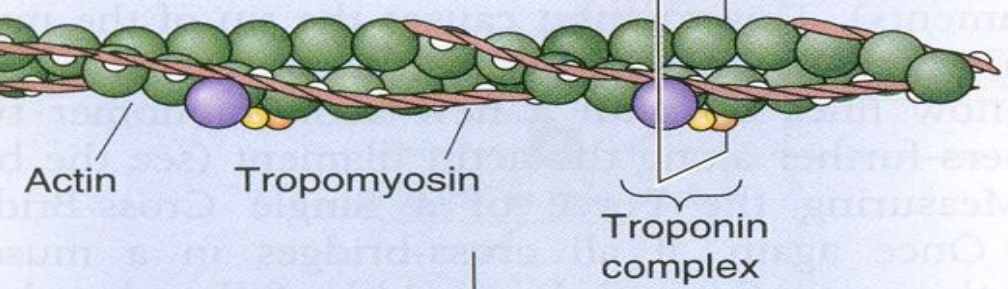


A SKELETAL MUSCLE



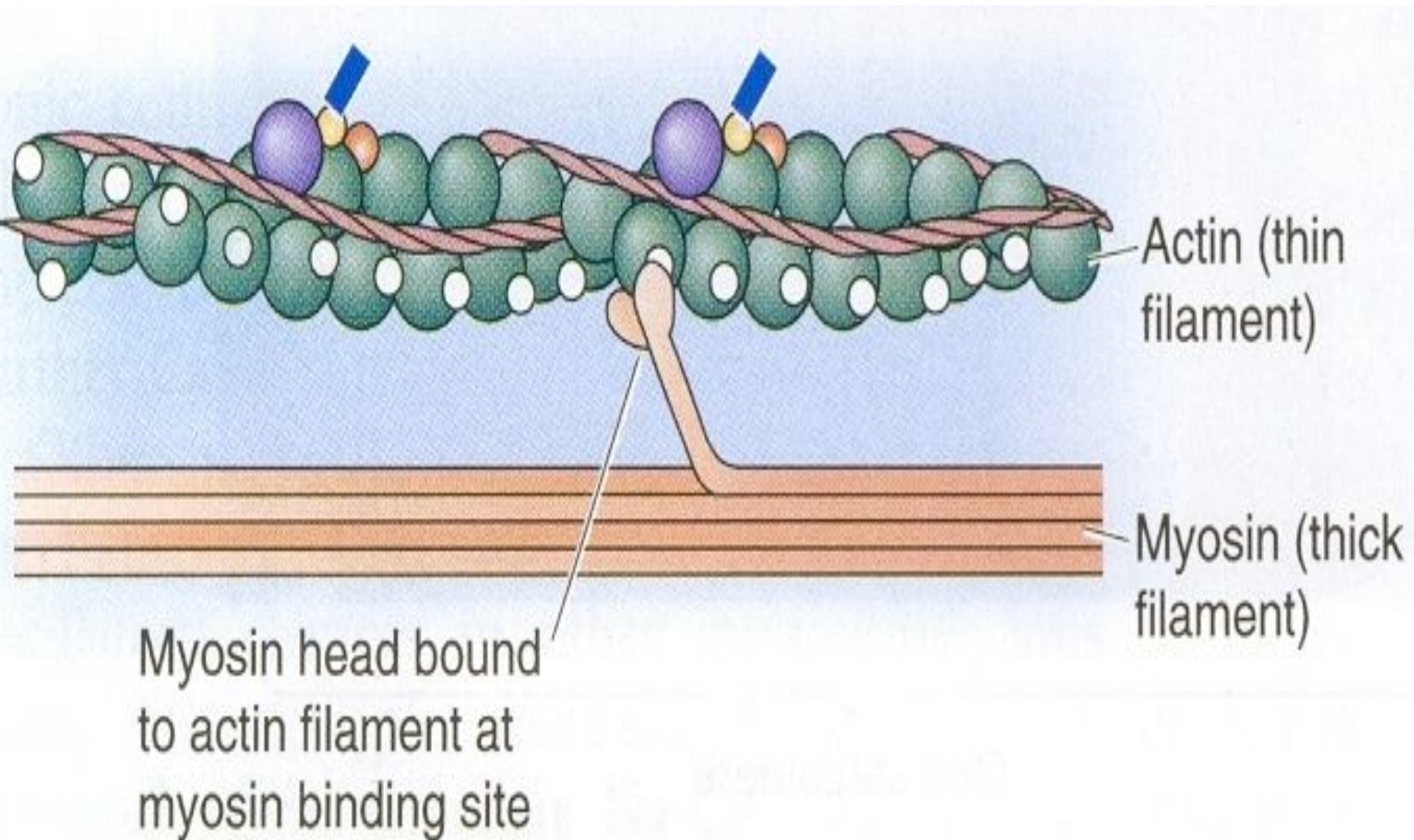


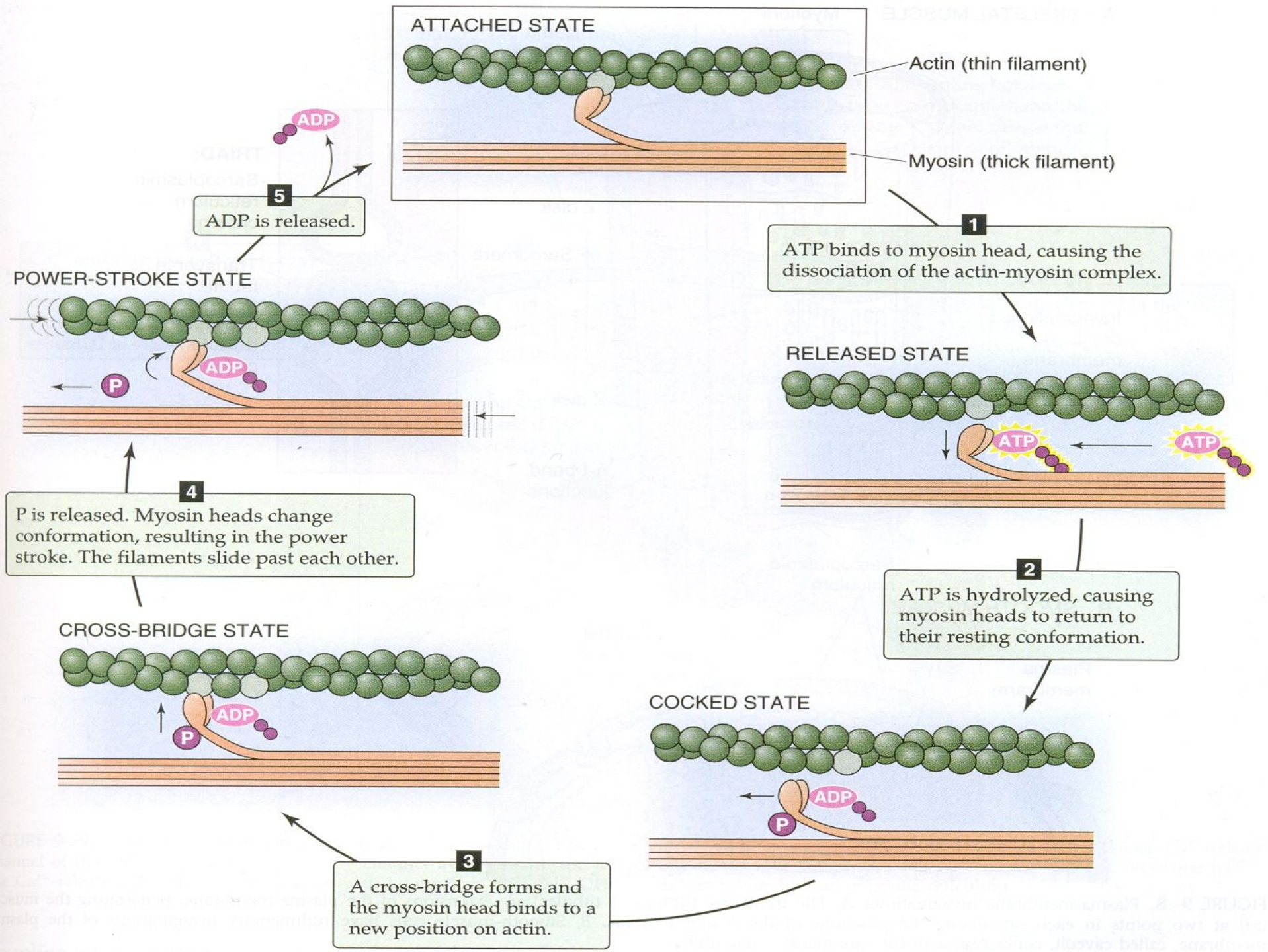
INITIATION OF CROSS-BRIDGE CYCLING IN SKELETAL AND CARDIAC MUSCLE



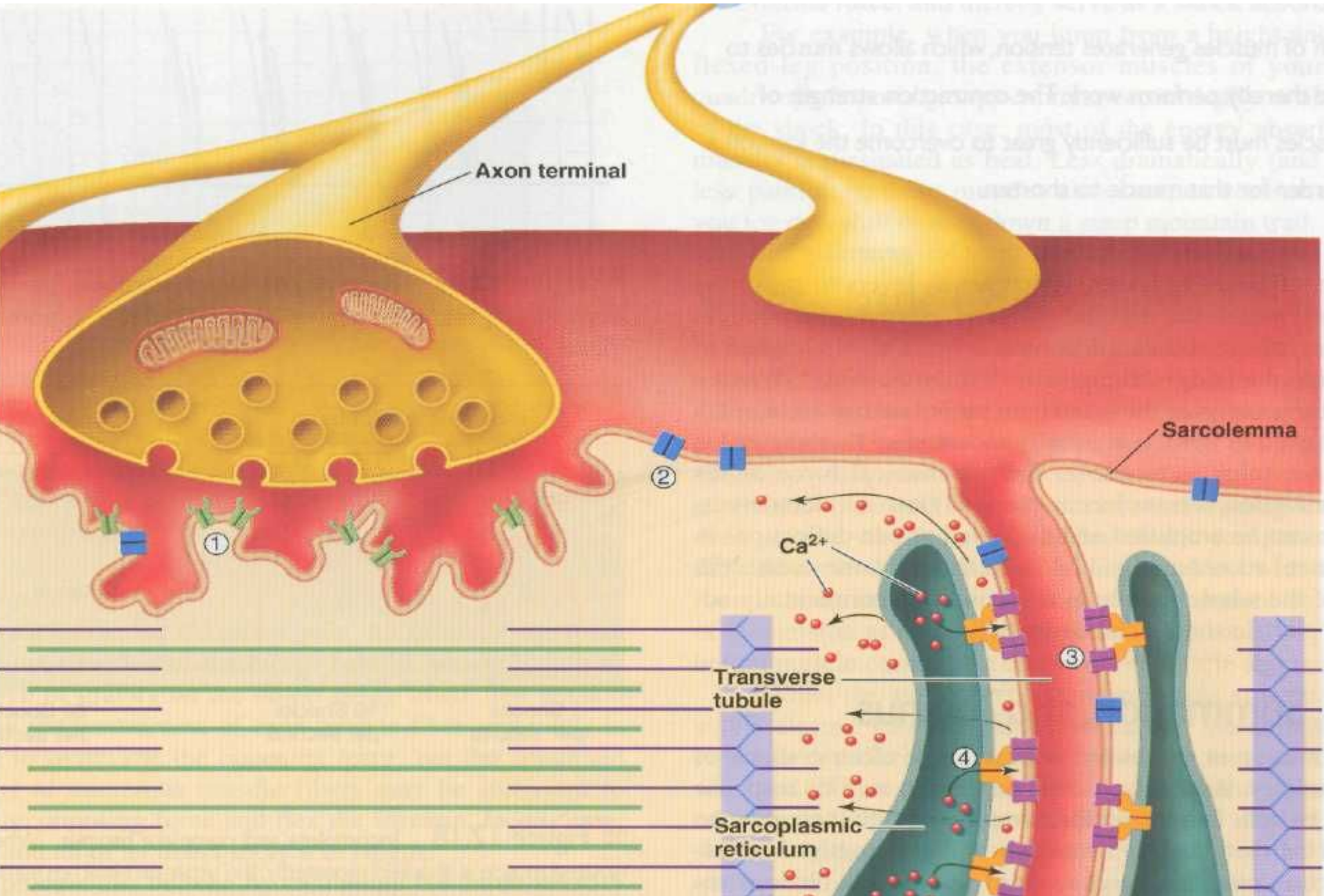
The movement of the tropomyosin deeper into the actin groove unmasks the myosin binding sites.

Взаимодействие нитей актина и миозина

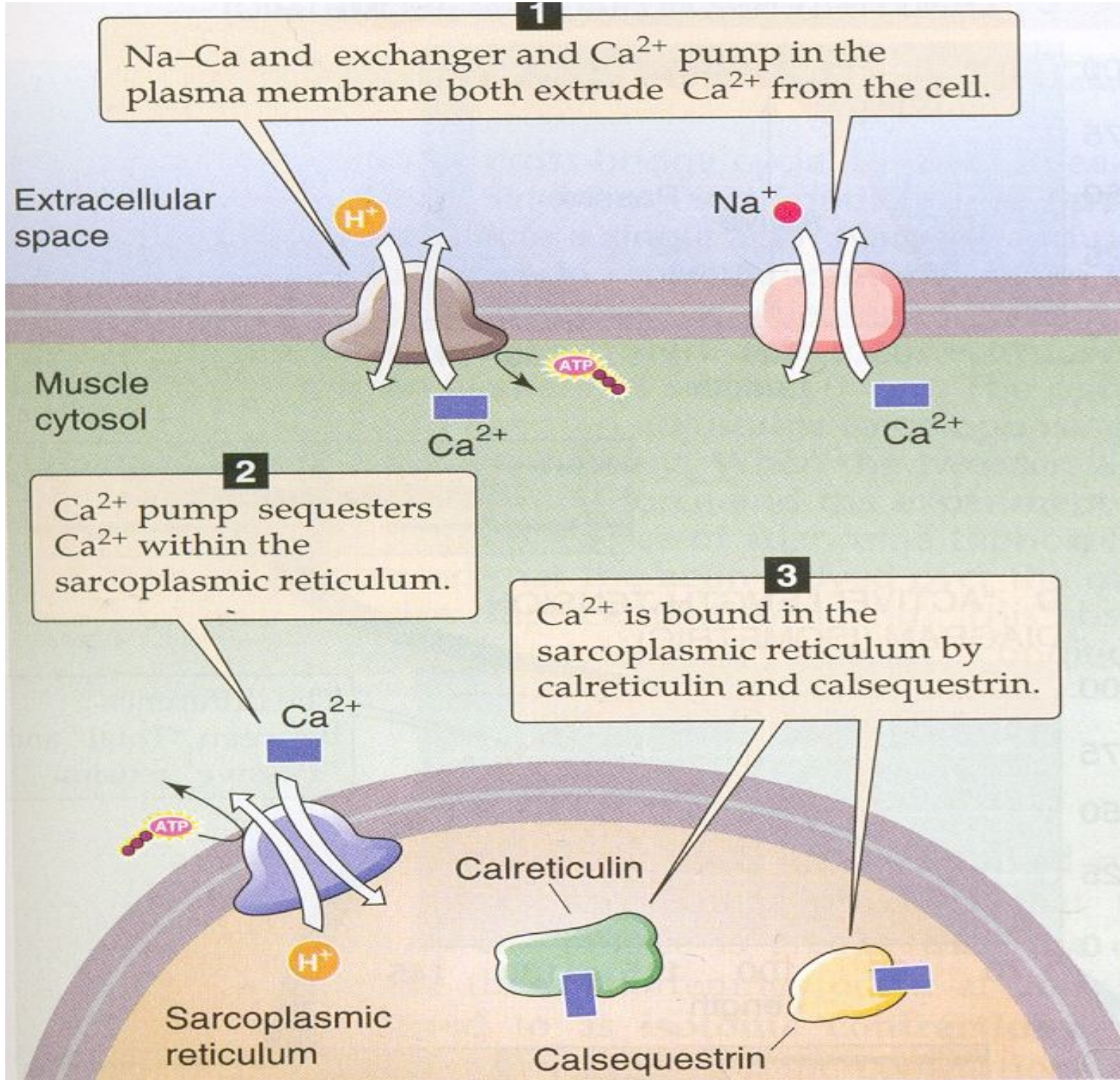




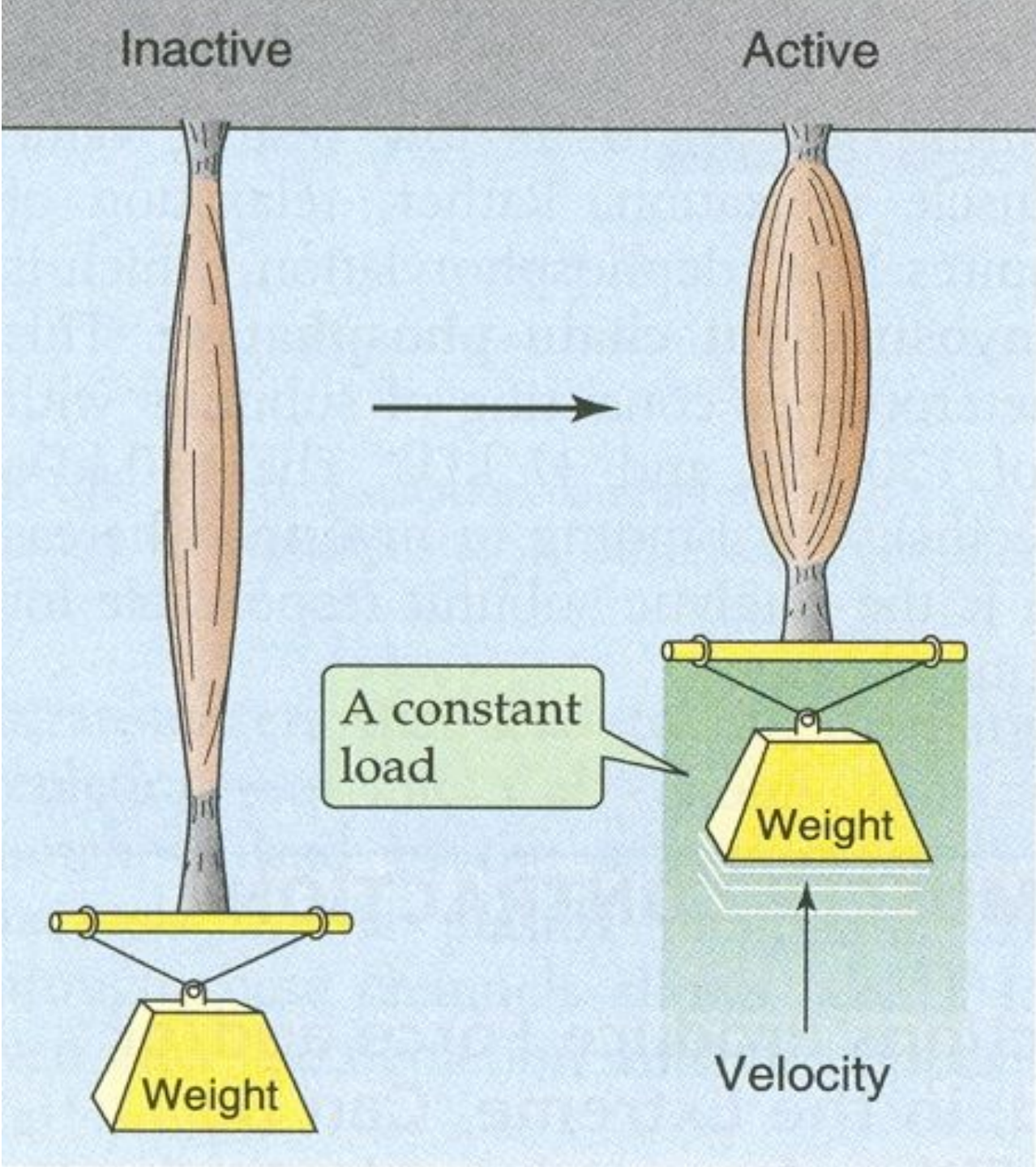
Электро-механическое сопряжение



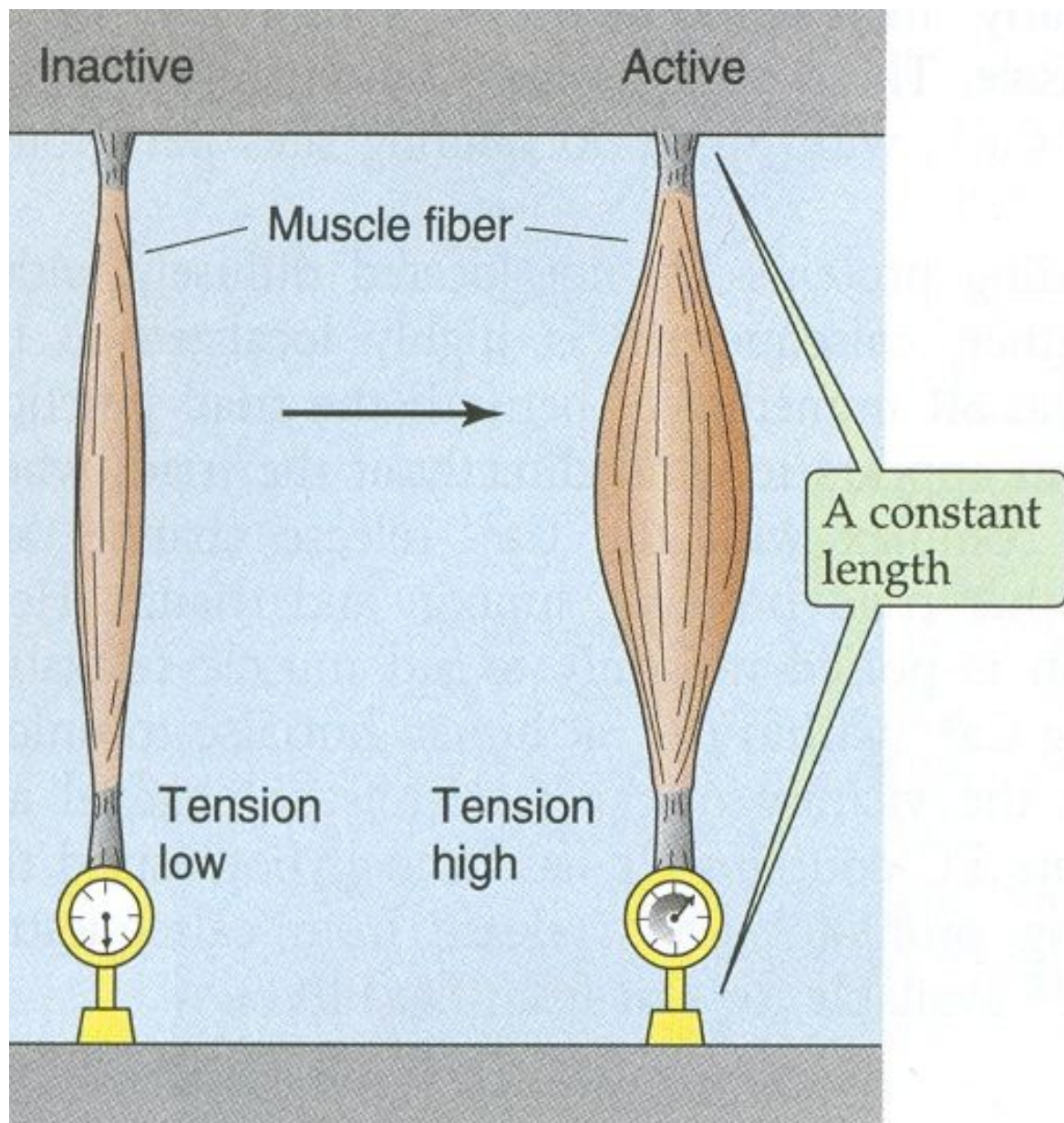
Ионы Ca^{++} в СТР



Изотонический тип сокращения



Изометрический тип сокращения



ОМС, суммация, тетанус

