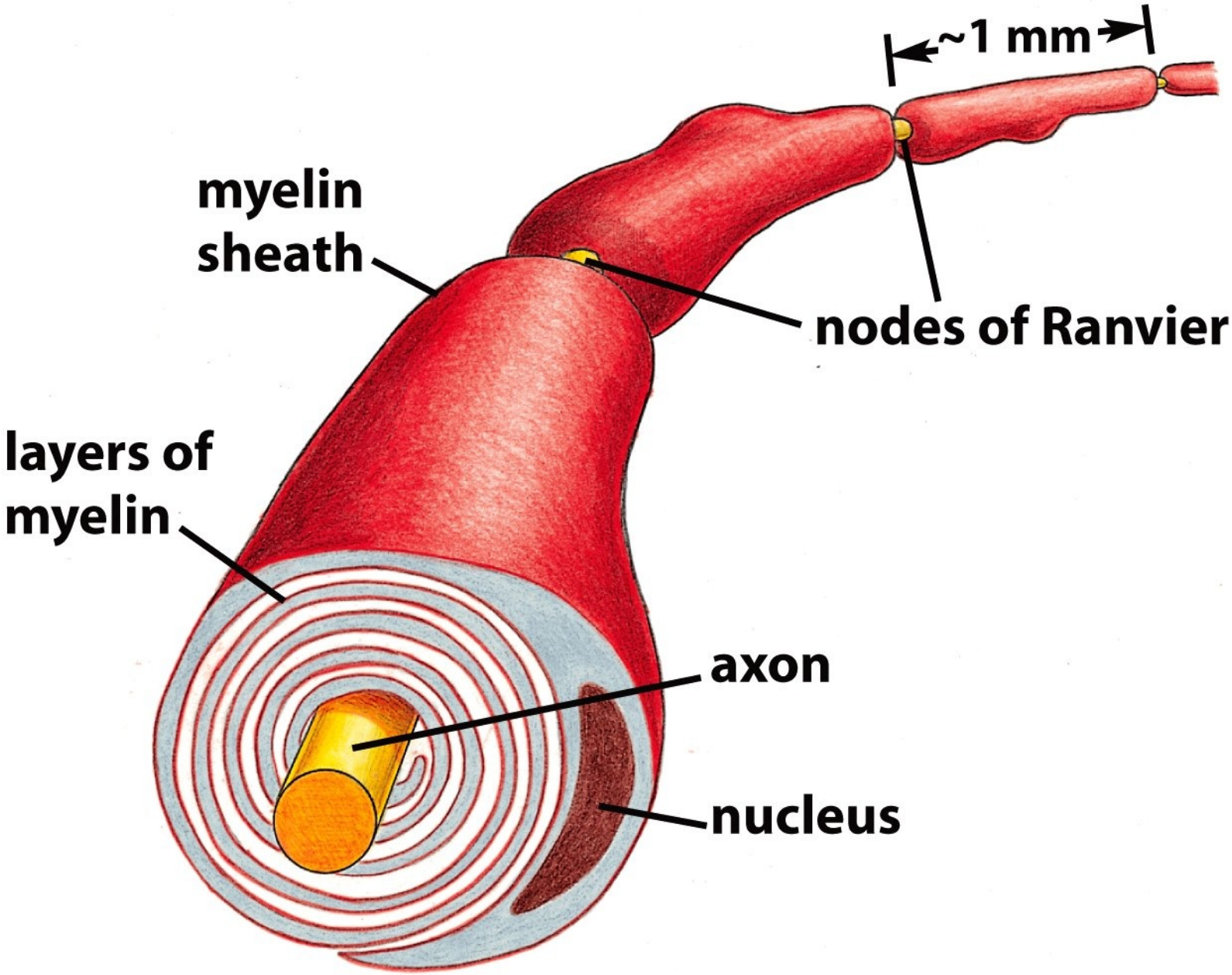


Figure 11-32a *Molecular Biology of the Cell* (© Garland Science 2008)

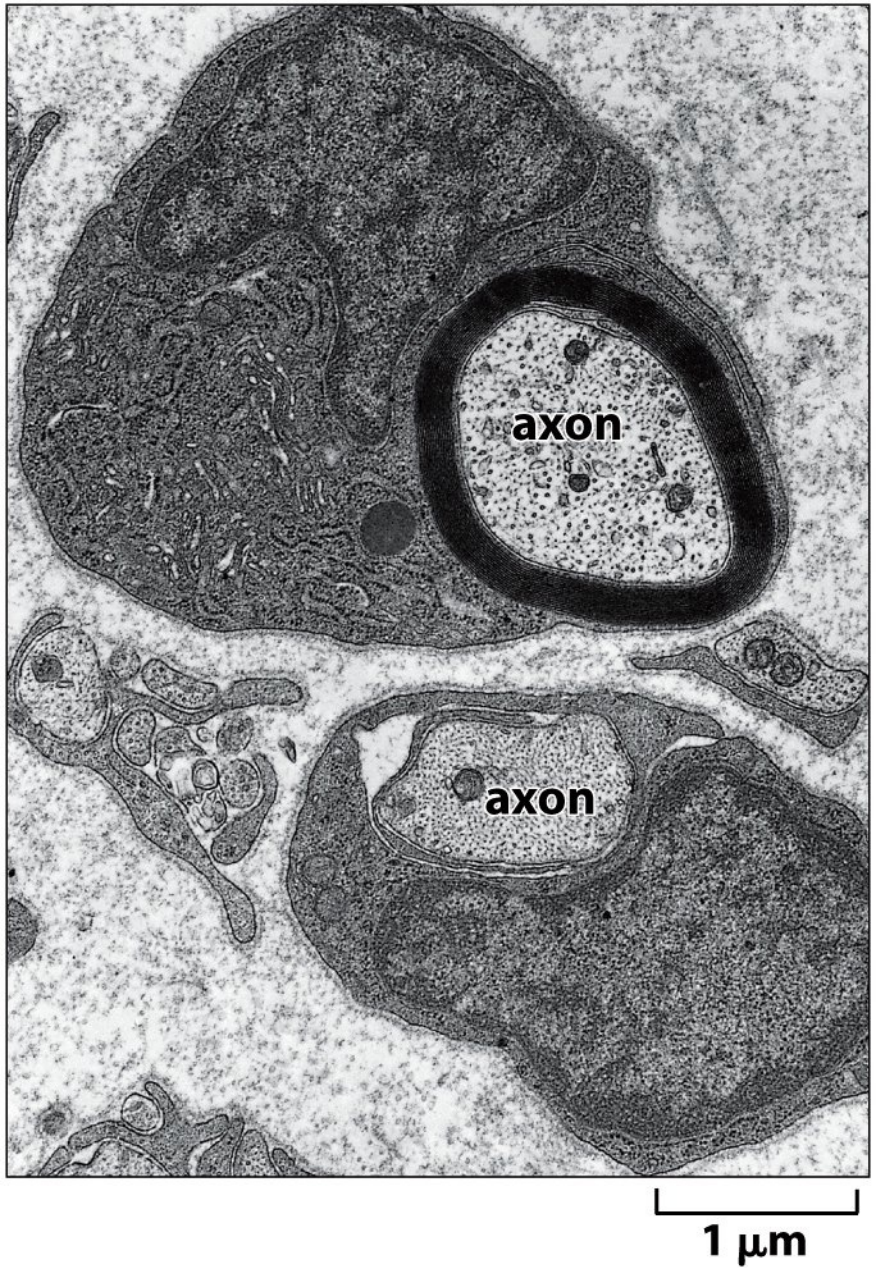


Figure 11-32b *Molecular Biology of the Cell* (© Garland Science 2008)

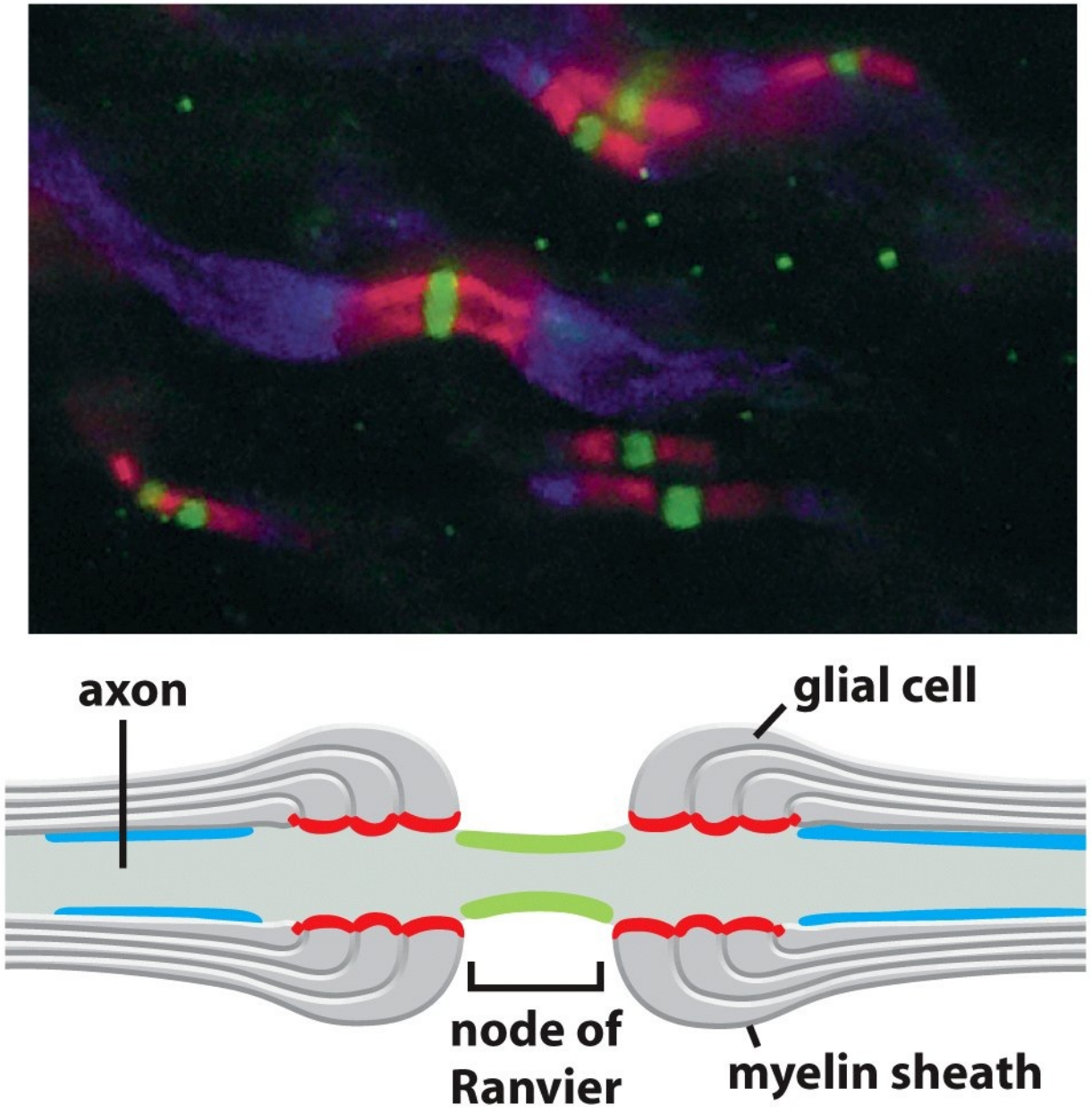


Figure 11-32c *Molecular Biology of the Cell* (© Garland Science 2008)

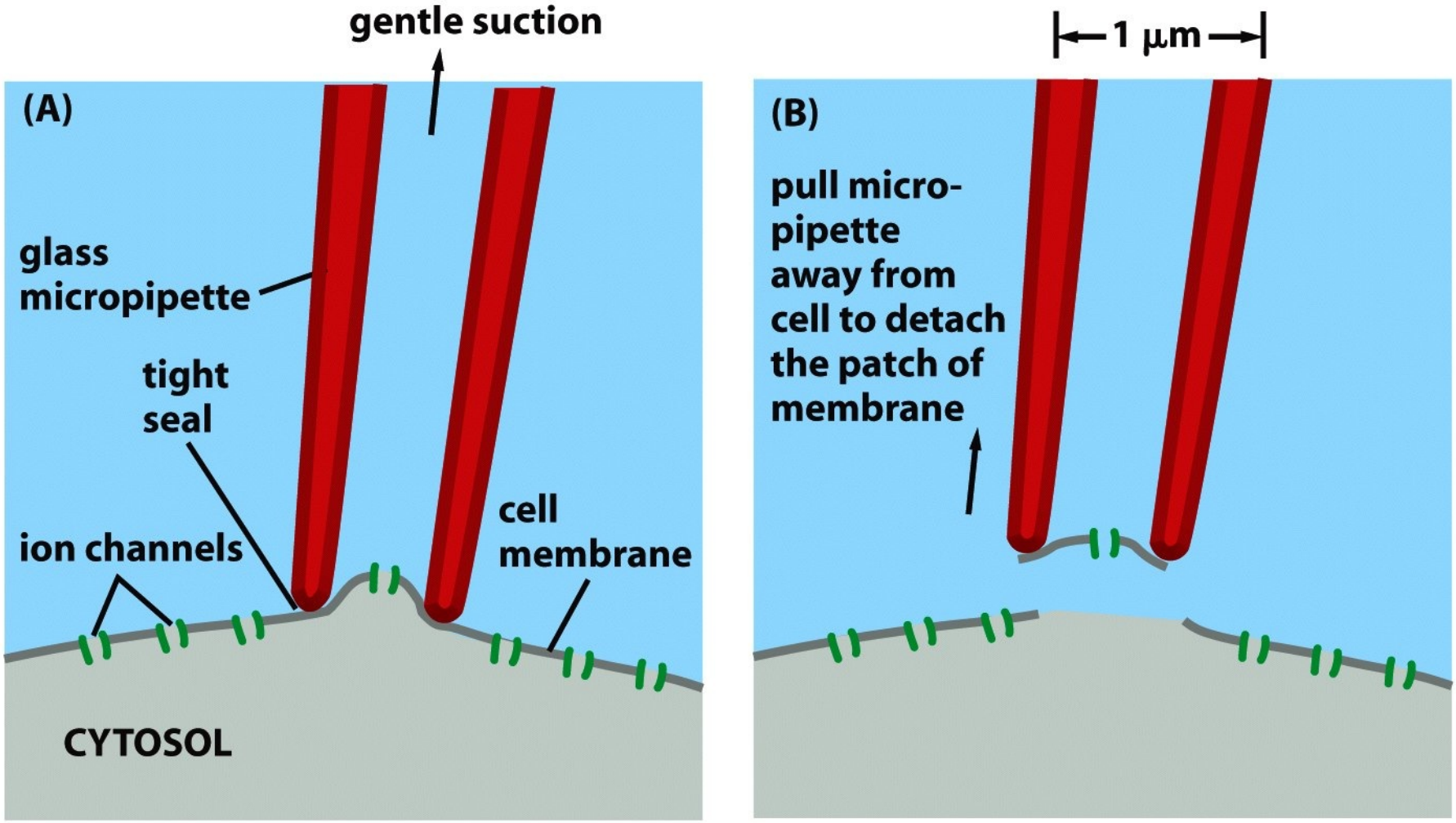


Figure 11-33 *Molecular Biology of the Cell* (© Garland Science 2008)

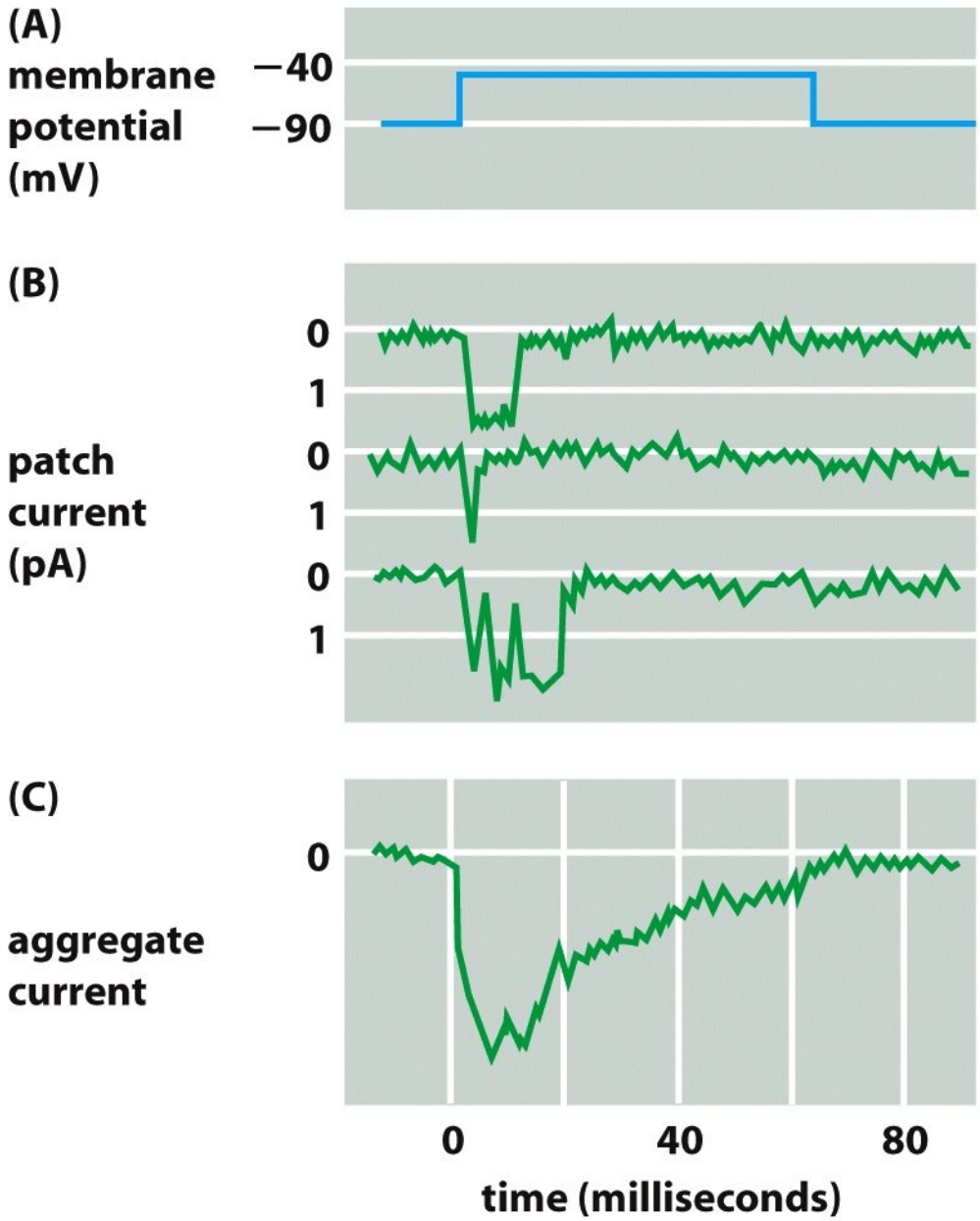
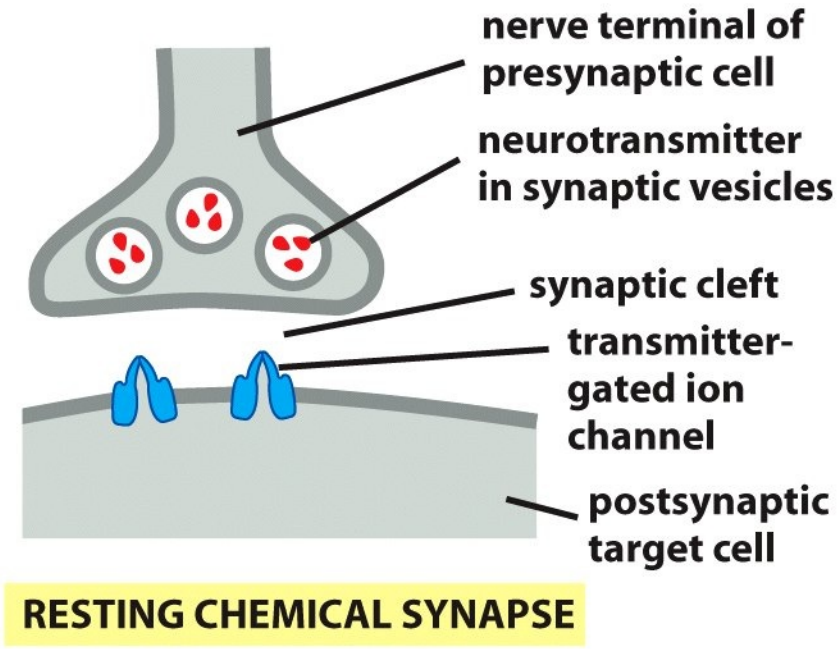


Figure 11-34 *Molecular Biology of the Cell* (© Garland Science 2008)



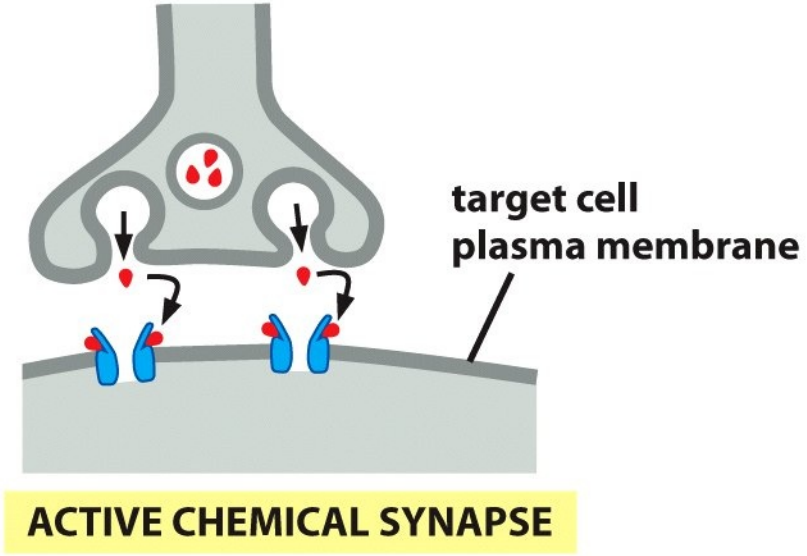


Figure 11-35a *Molecular Biology of the Cell* (© Garland Science 2008)

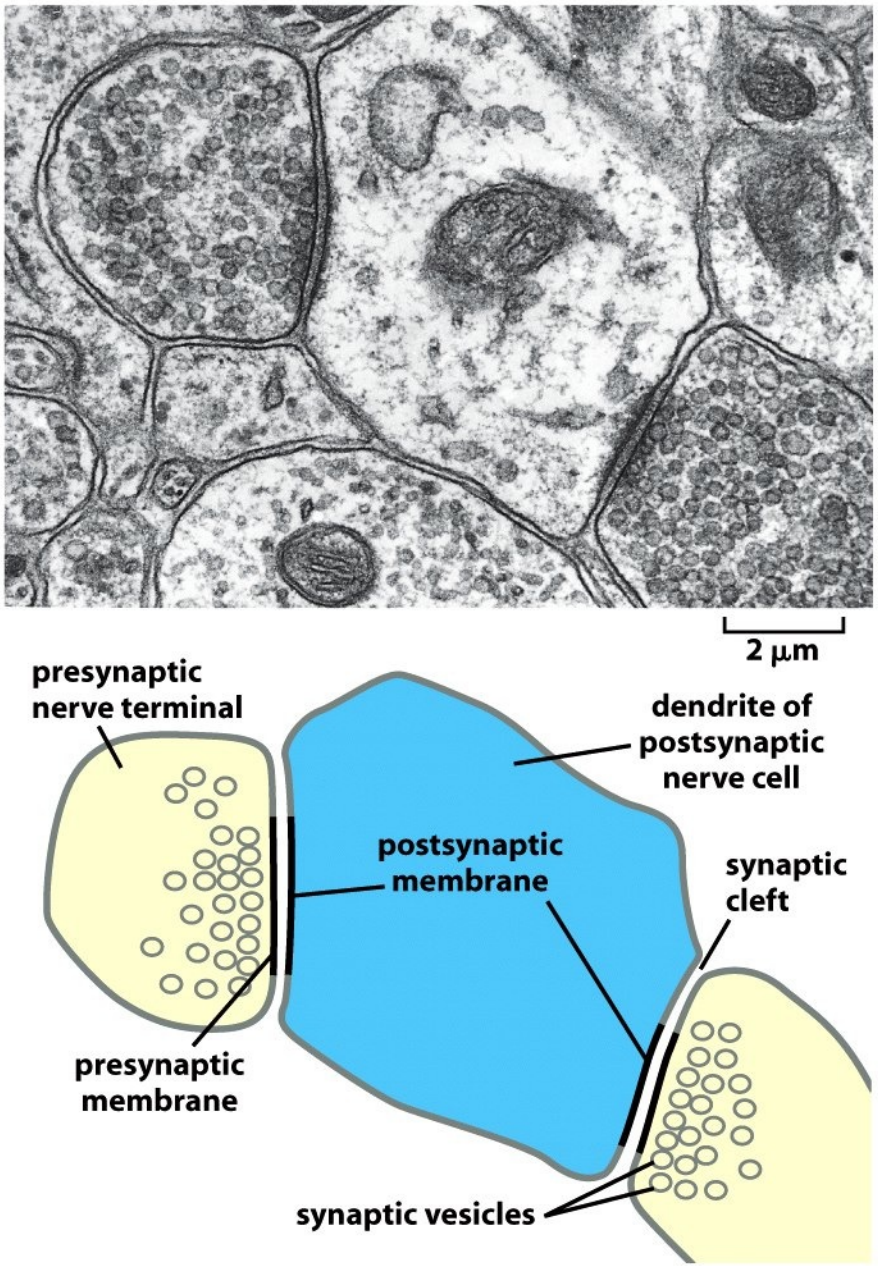


Figure 11-35b *Molecular Biology of the Cell* (© Garland Science 2008)

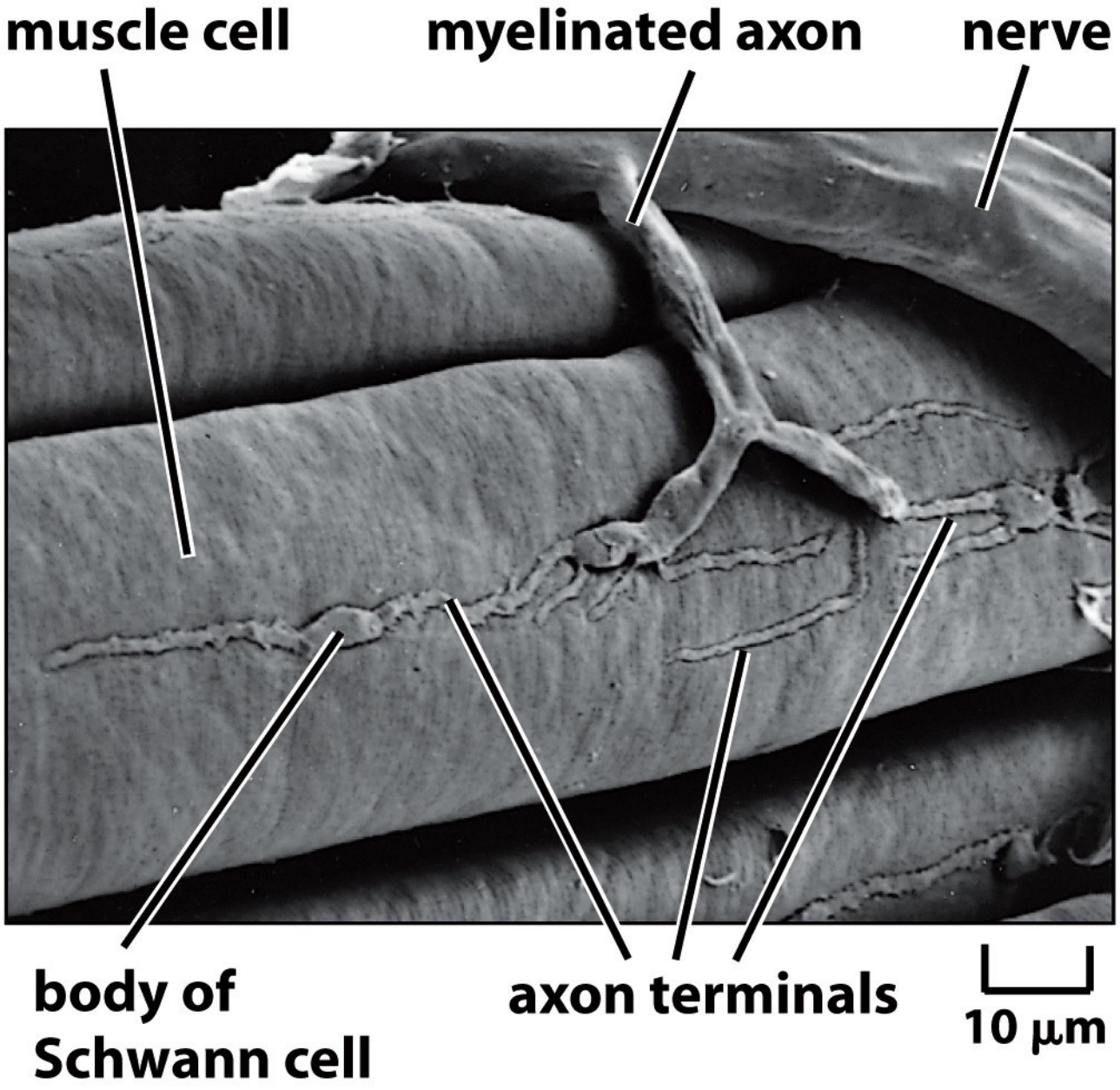


Figure 11-36 *Molecular Biology of the Cell* (© Garland Science 2008)

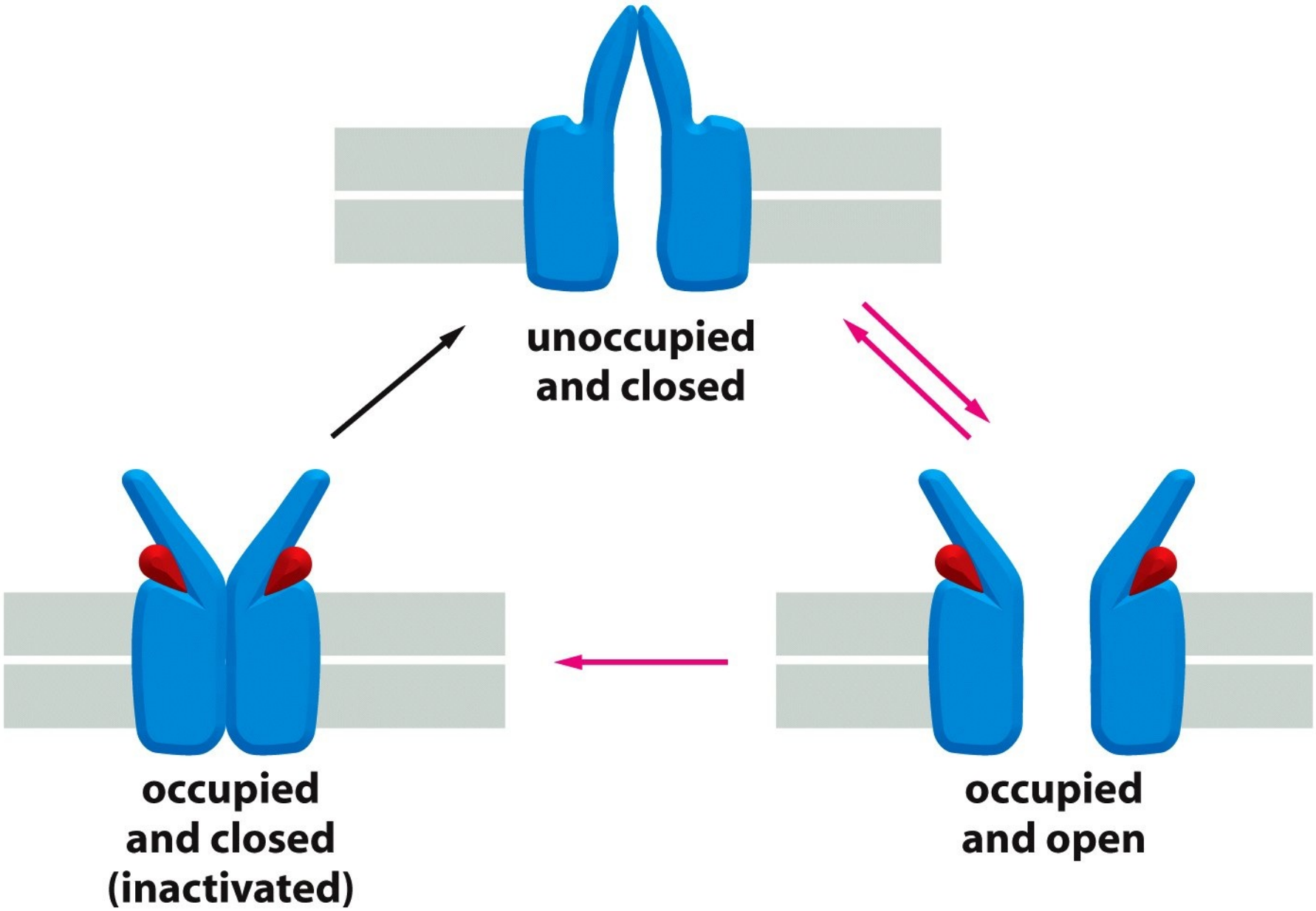


Figure 11-37 *Molecular Biology of the Cell* (© Garland Science 2008)

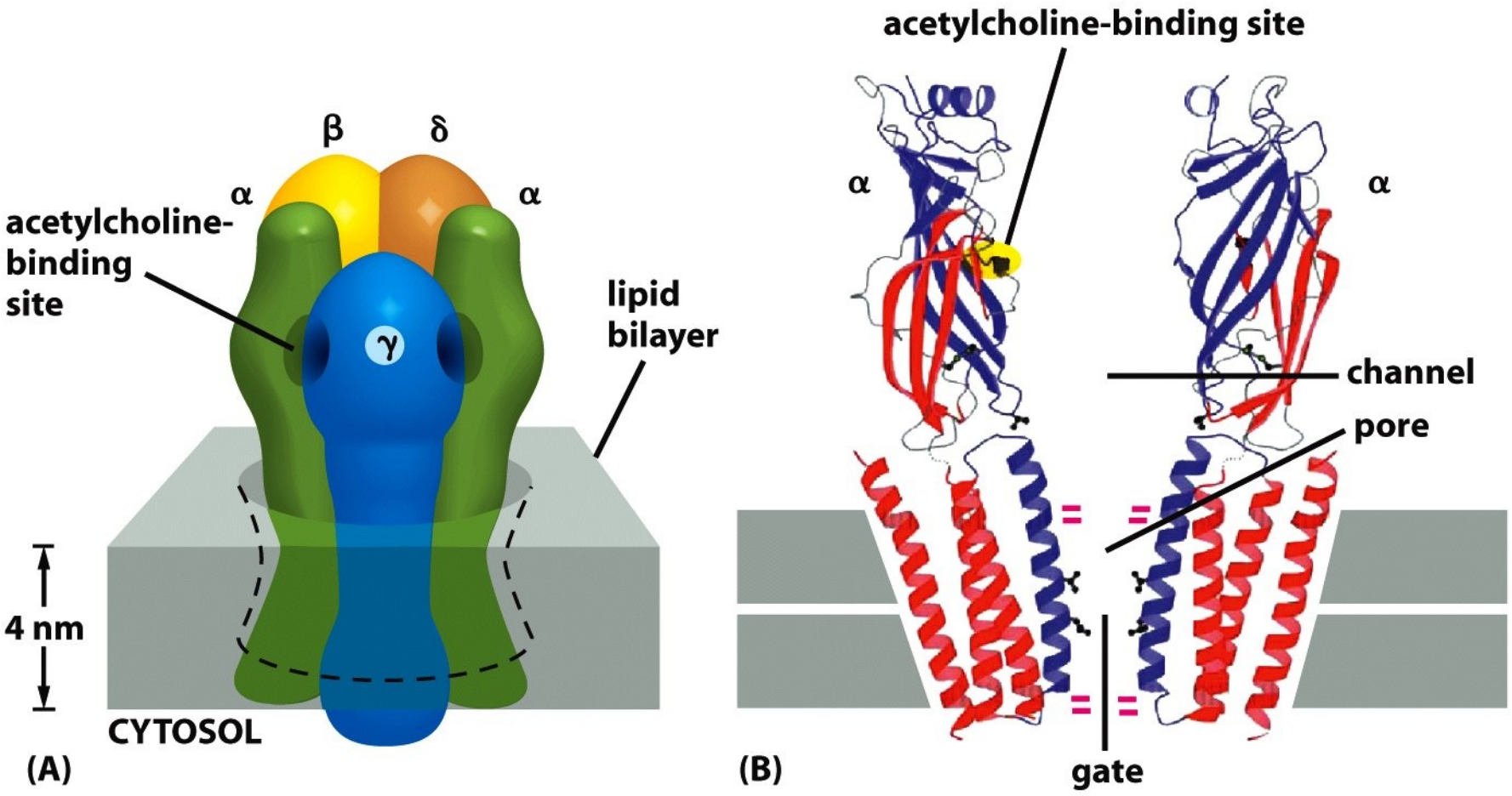


Figure 11-38 *Molecular Biology of the Cell* (© Garland Science 2008)

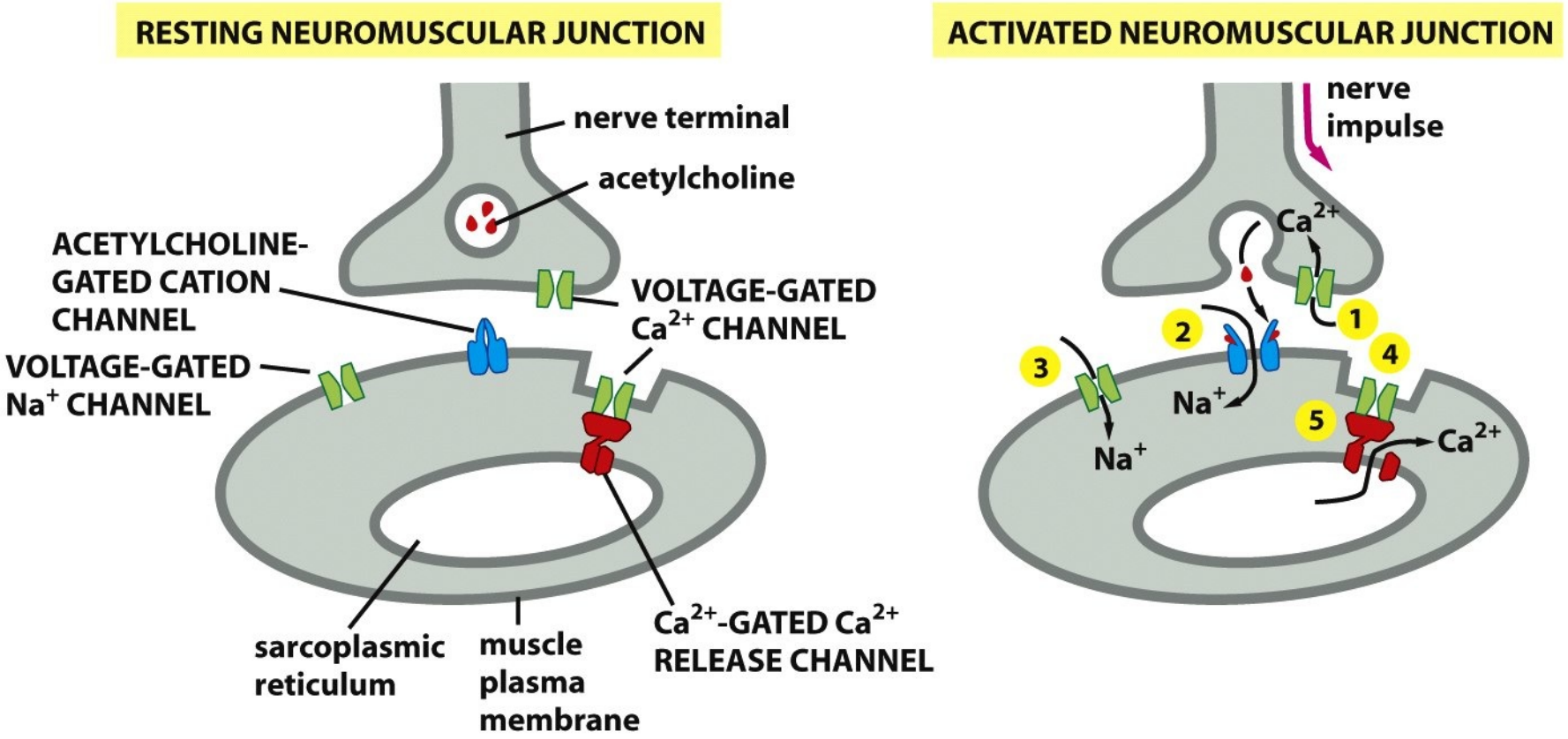


Figure 11-39 *Molecular Biology of the Cell* (© Garland Science 2008)

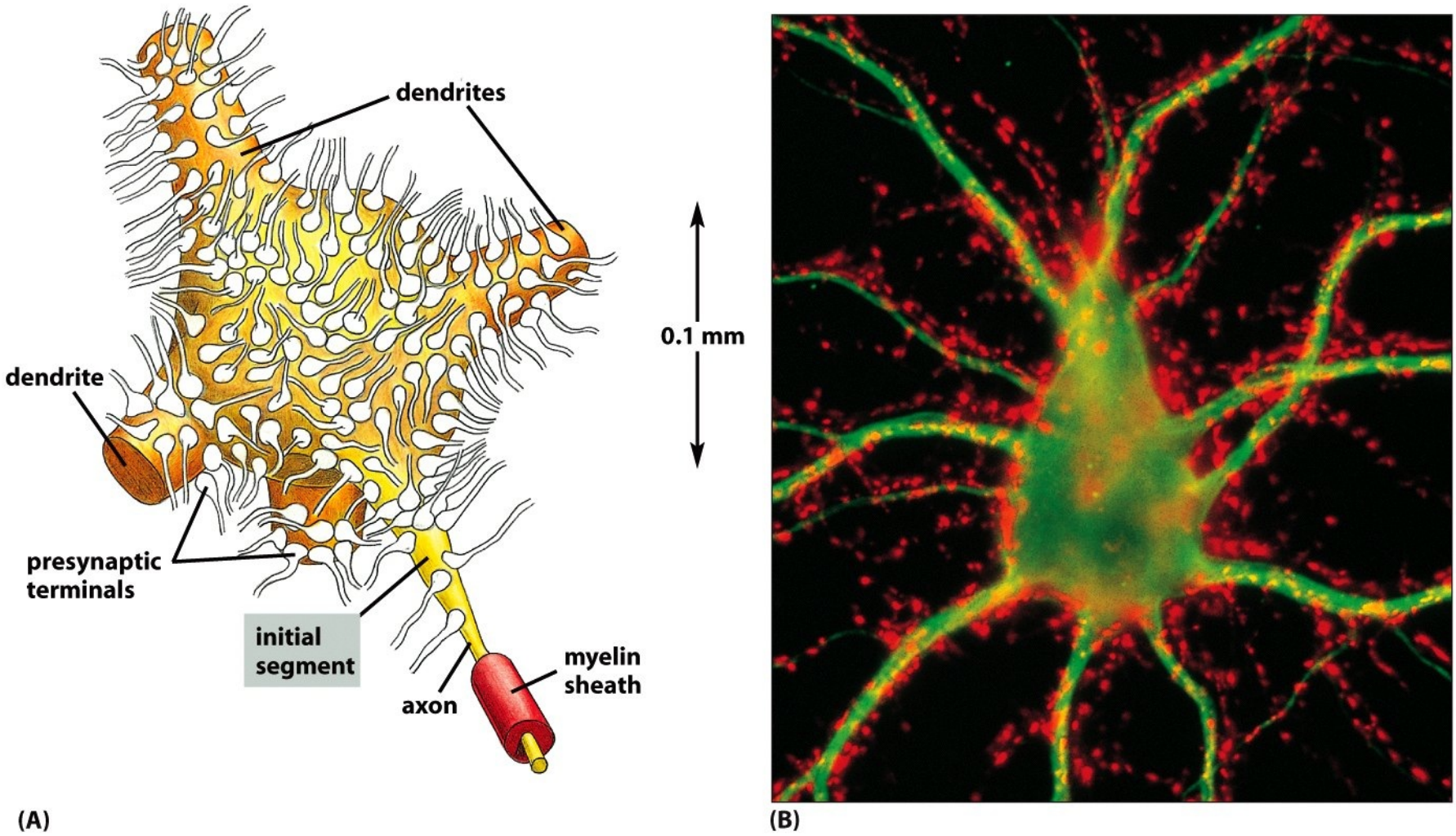


Figure 11-40 *Molecular Biology of the Cell* (© Garland Science 2008)

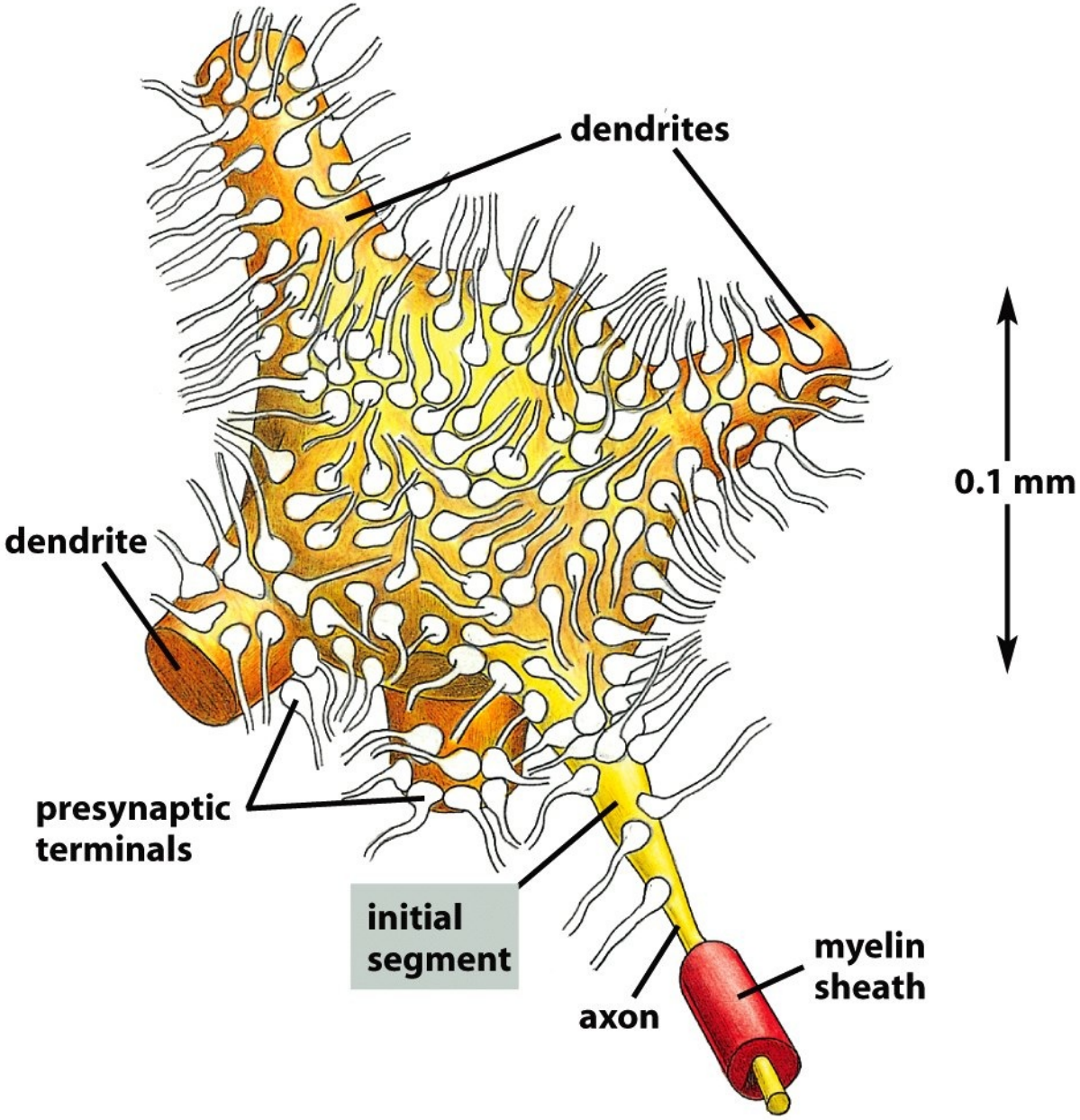


Figure 11-40a *Molecular Biology of the Cell* (© Garland Science 2008)

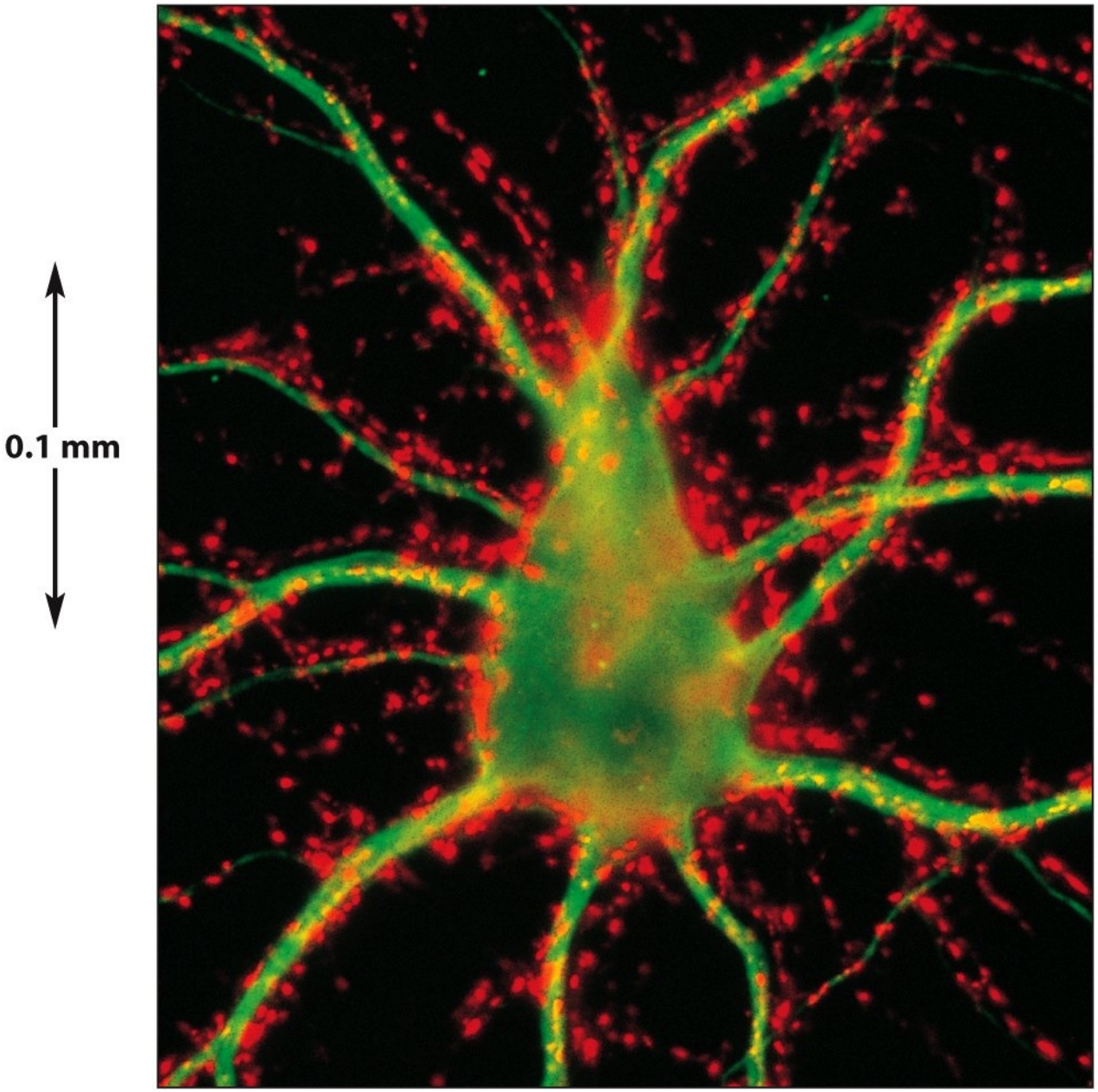


Figure 11-40b *Molecular Biology of the Cell* (© Garland Science 2008)

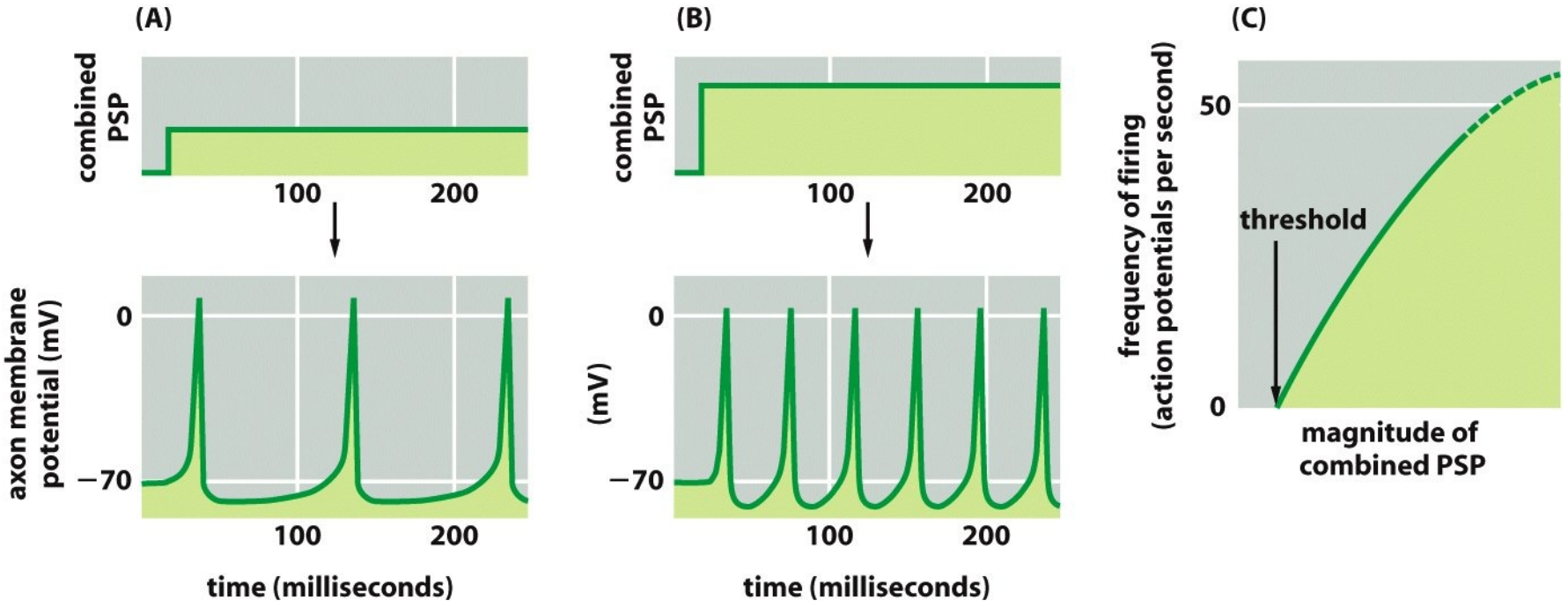


Figure 11-41 *Molecular Biology of the Cell* (© Garland Science 2008)

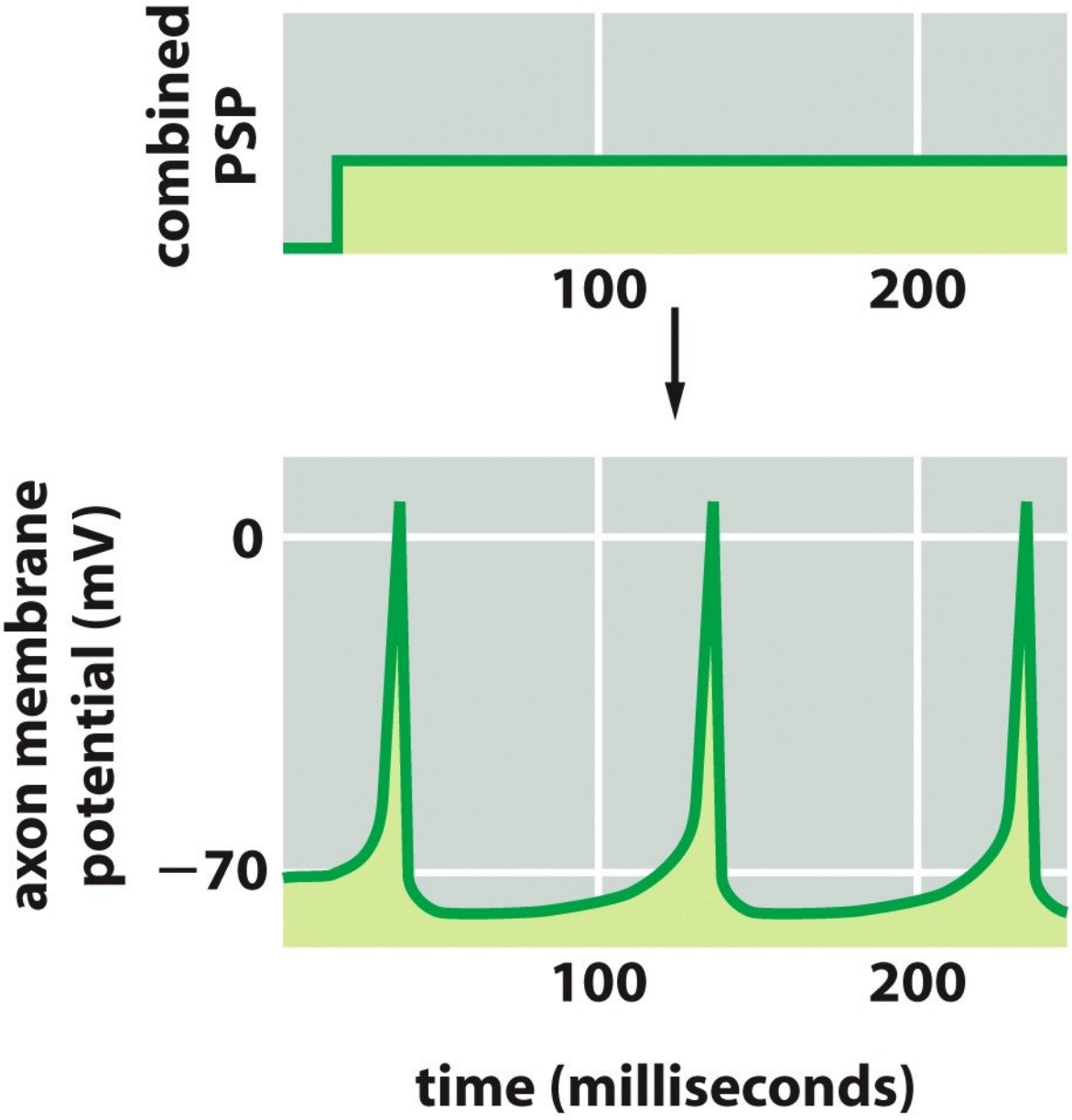


Figure 11-41a *Molecular Biology of the Cell* (© Garland Science 2008)

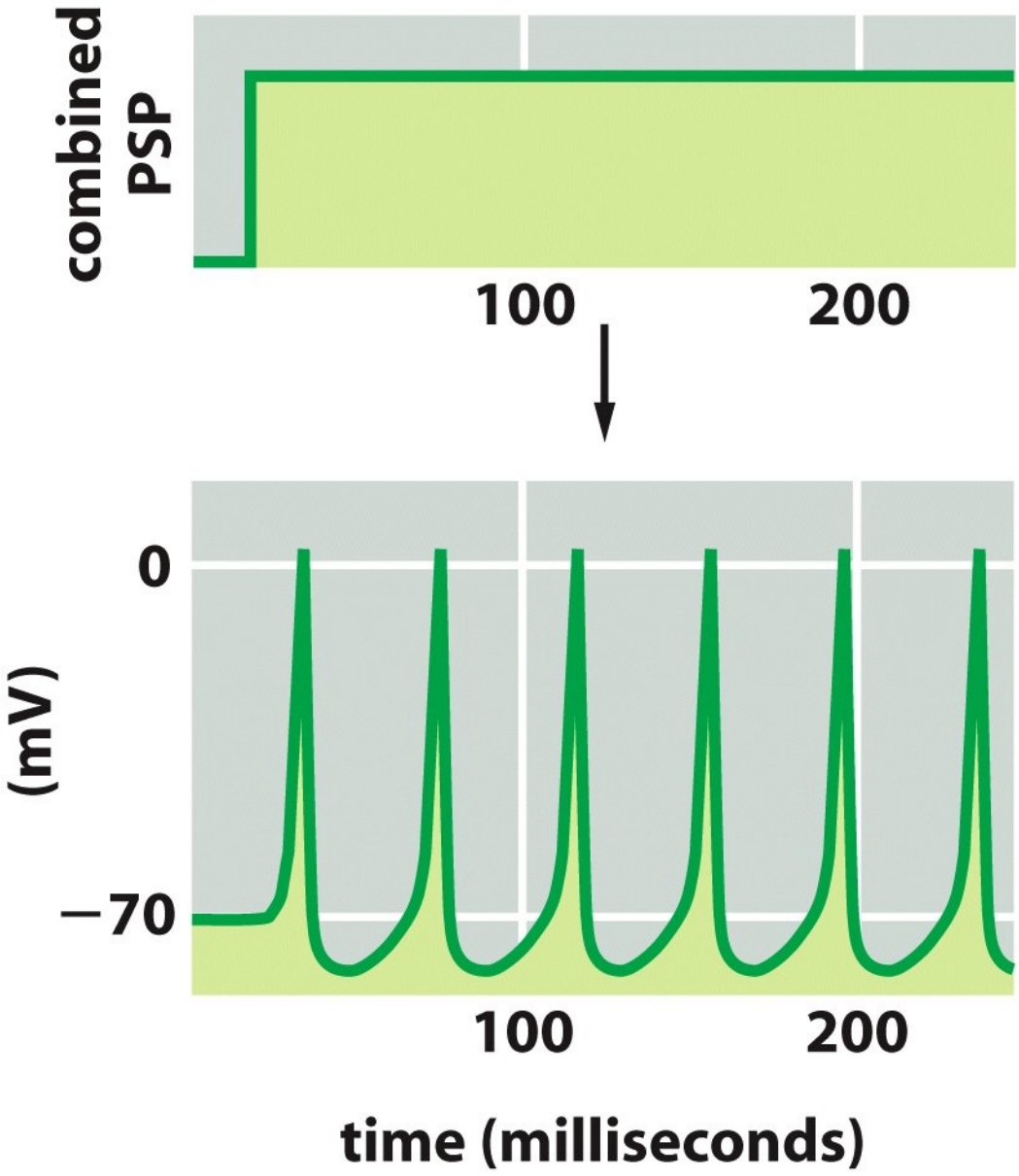


Figure 11-41b *Molecular Biology of the Cell* (© Garland Science 2008)

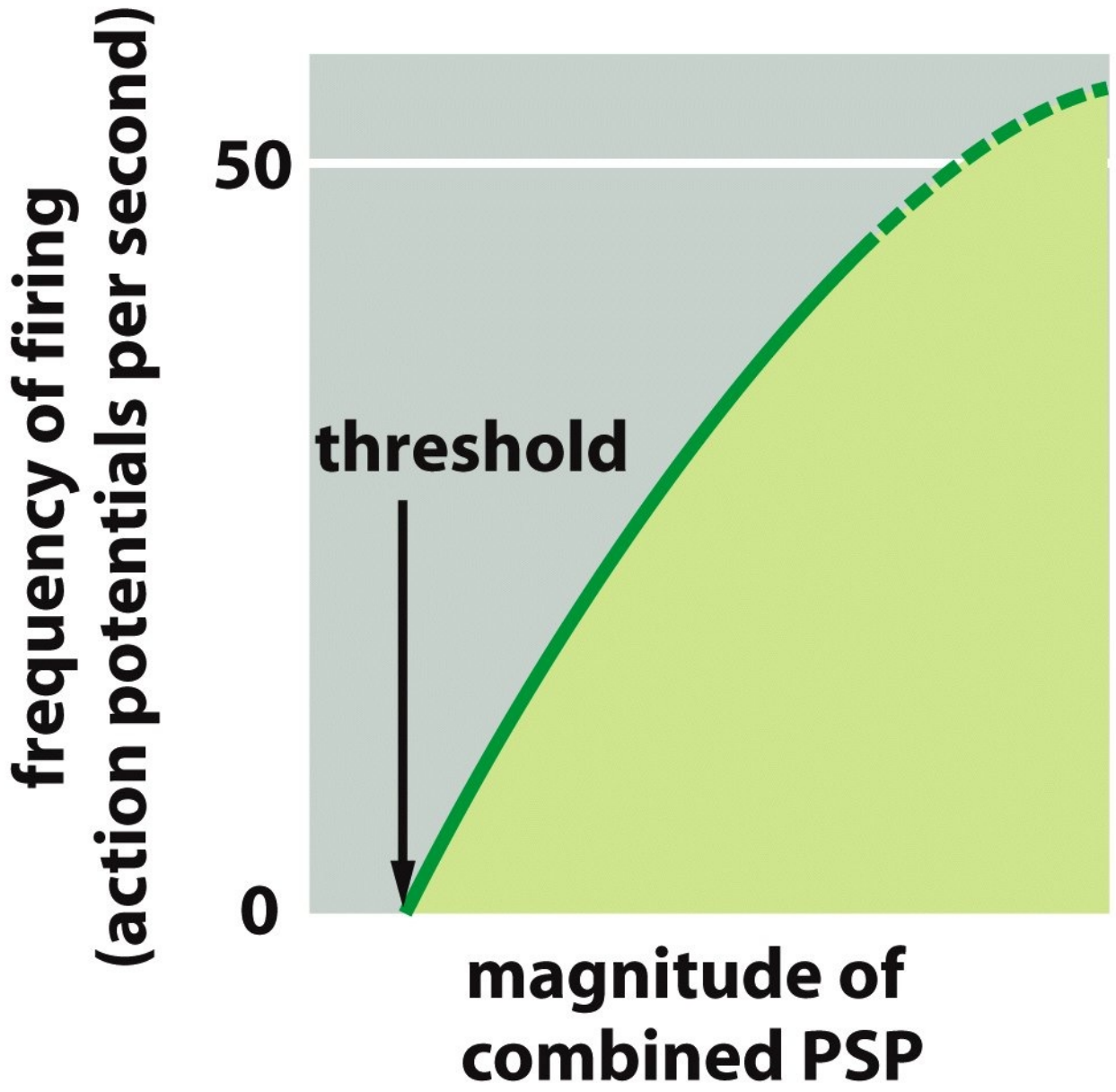


Figure 11-41c *Molecular Biology of the Cell* (© Garland Science 2008)

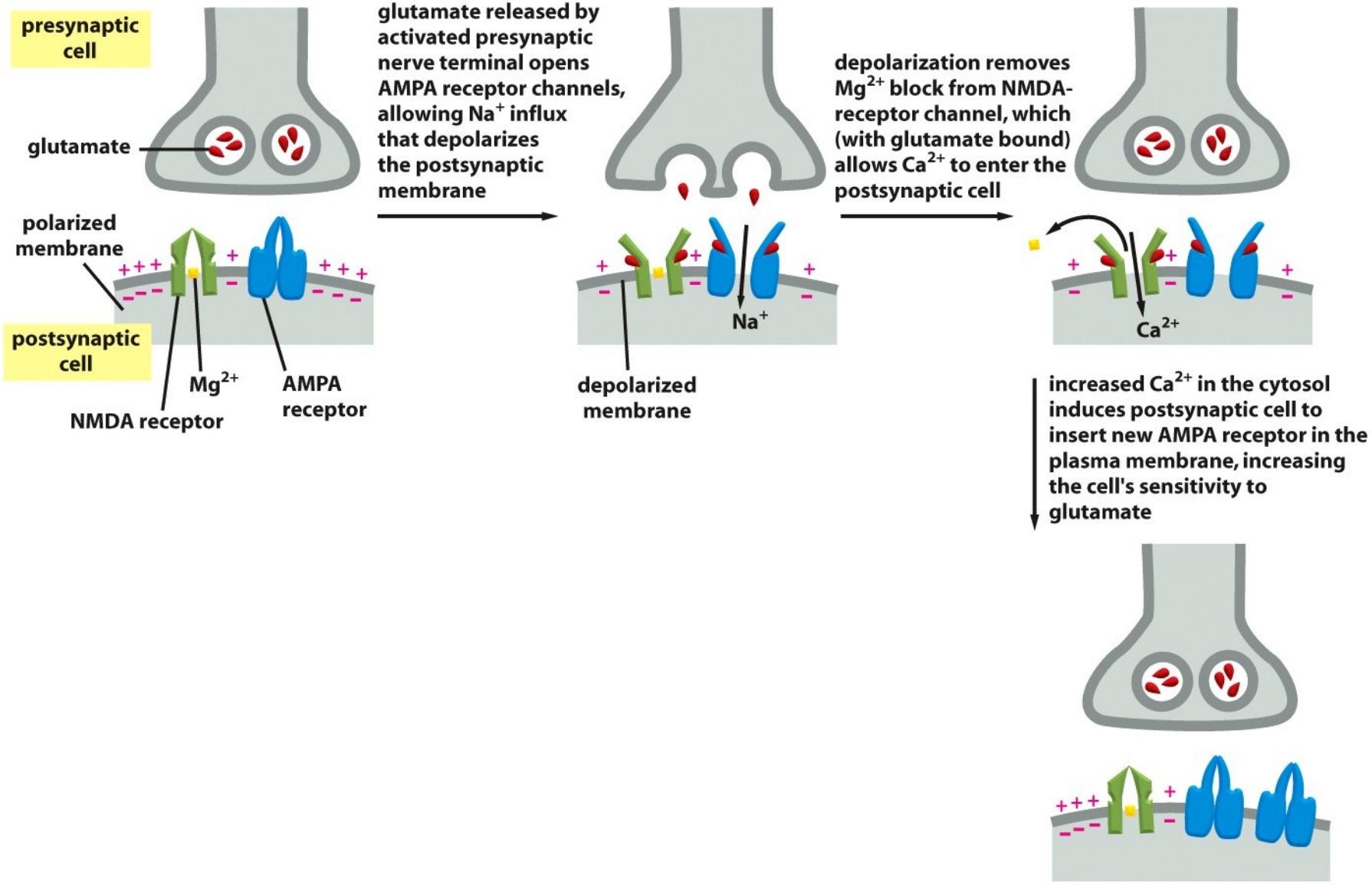


Figure 11-42 *Molecular Biology of the Cell* (© Garland Science 2008)

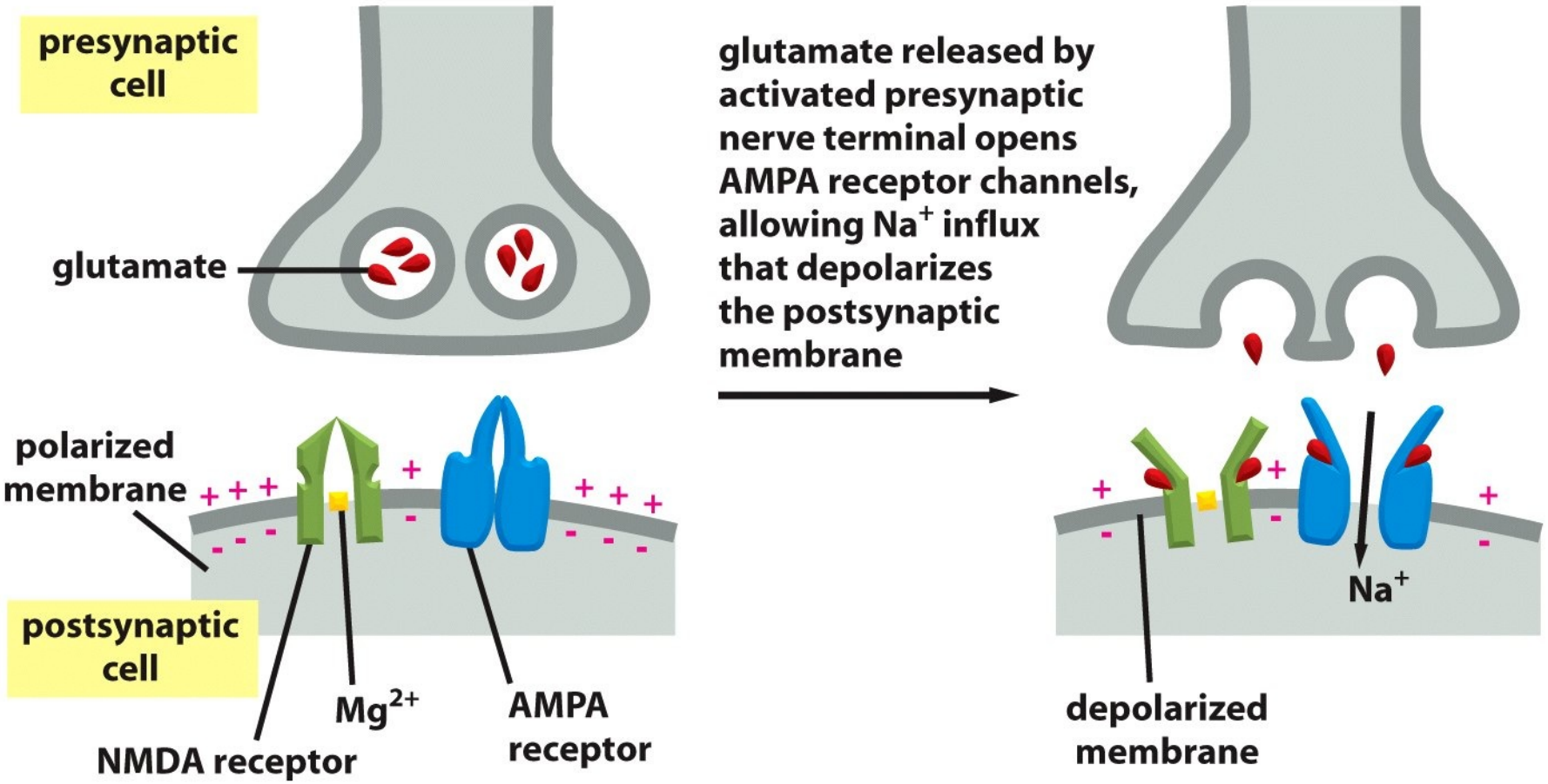


Figure 11-42 (part 1 of 3) *Molecular Biology of the Cell* (© Garland Science 2008)

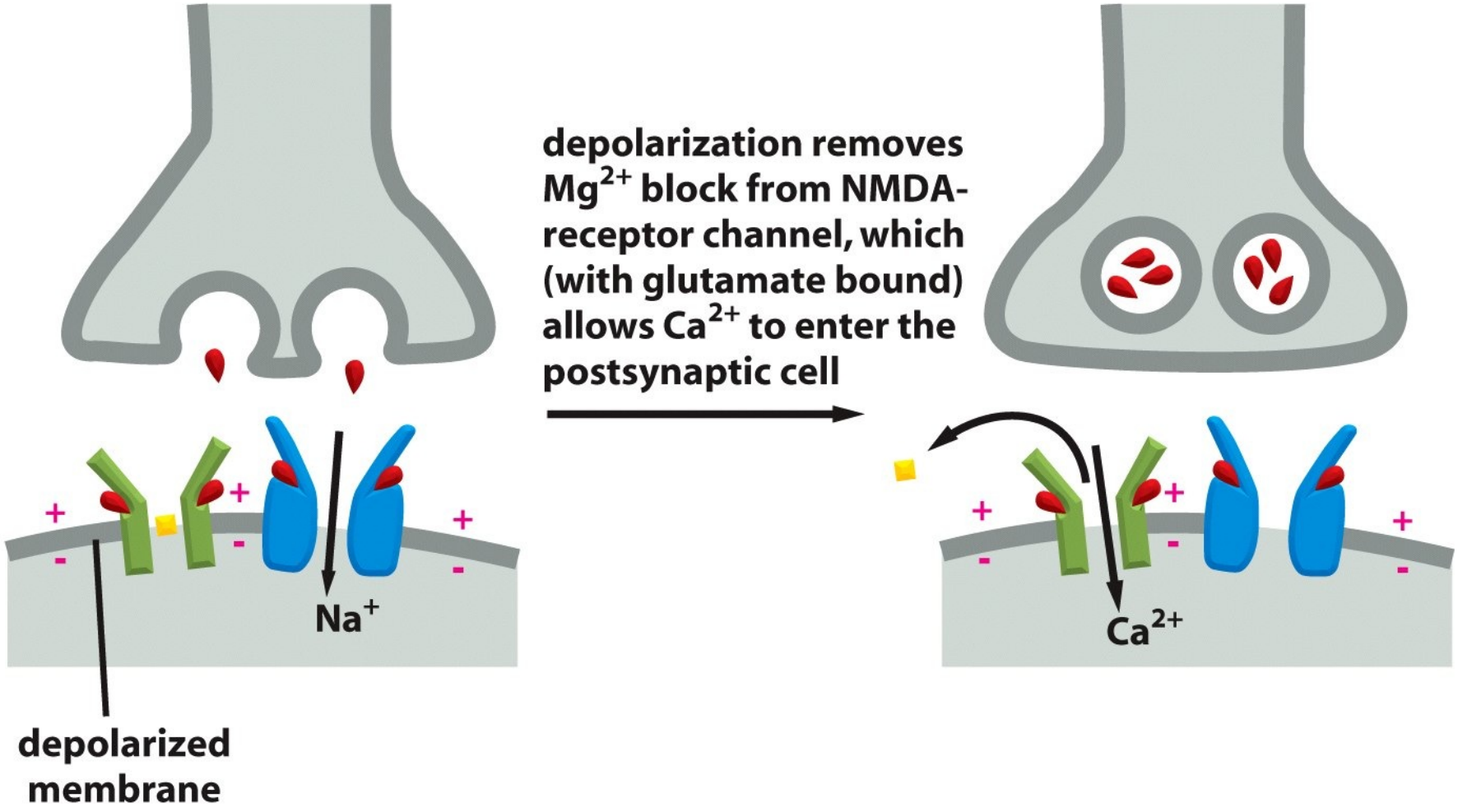


Figure 11-42 (part 2 of 3) *Molecular Biology of the Cell* (© Garland Science 2008)

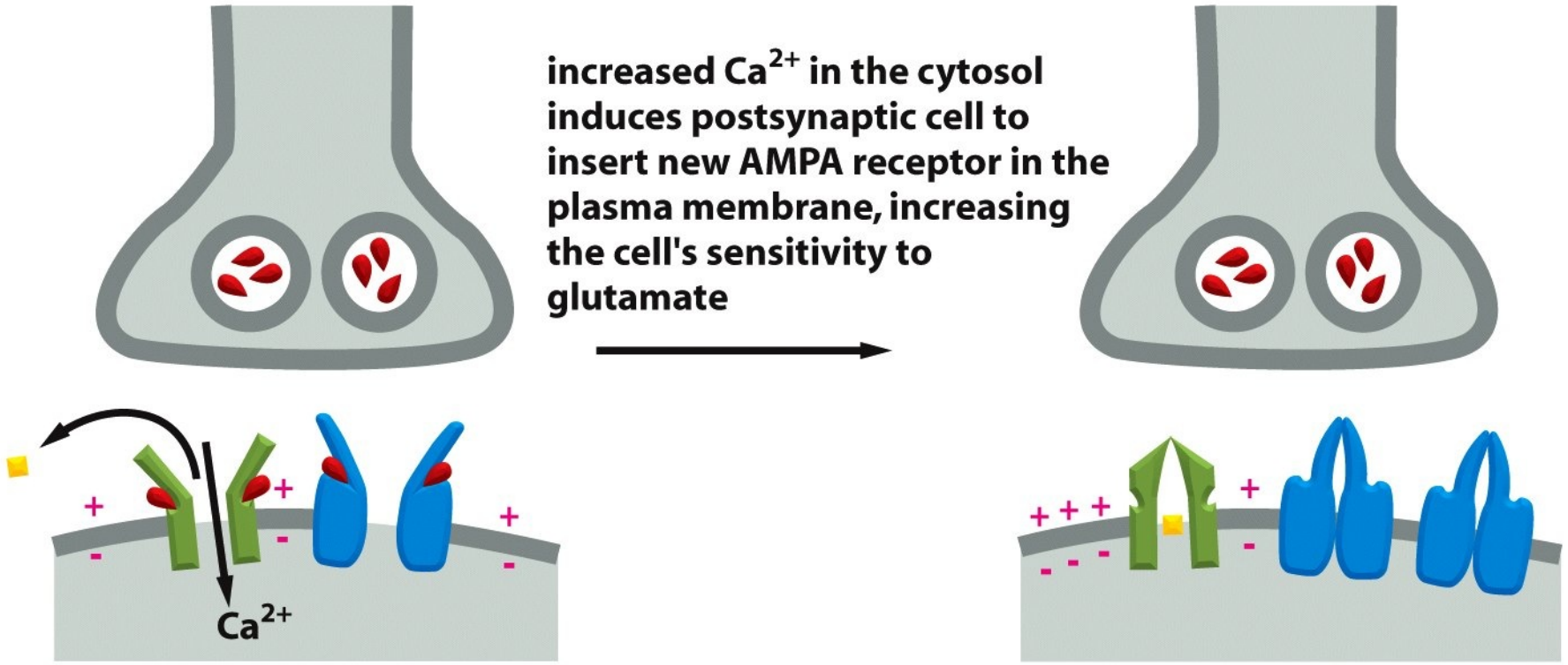


Figure 11-42 (part 3 of 3) *Molecular Biology of the Cell* (© Garland Science 2008)

Table 11–2 Some Ion Channel Families

CHANNEL TYPE	REPRESENTATIVE EXAMPLE	
Voltage-gated cation channels	voltage-gated Na^+ channels	
	voltage-gated K^+ channels (including delayed and early)	
	voltage-gated Ca^{2+} channels	
Transmitter-gated ion channels	acetylcholine-gated cation channels	excitatory
	glutamate-gated Ca^{2+} channels	excitatory
	serotonin-gated cation channels	excitatory
	GABA-gated Cl^- channels	inhibitory
	glycine-gated Cl^- channels	inhibitory

Table 11-2 *Molecular Biology of the Cell* (© Garland Science 2008)

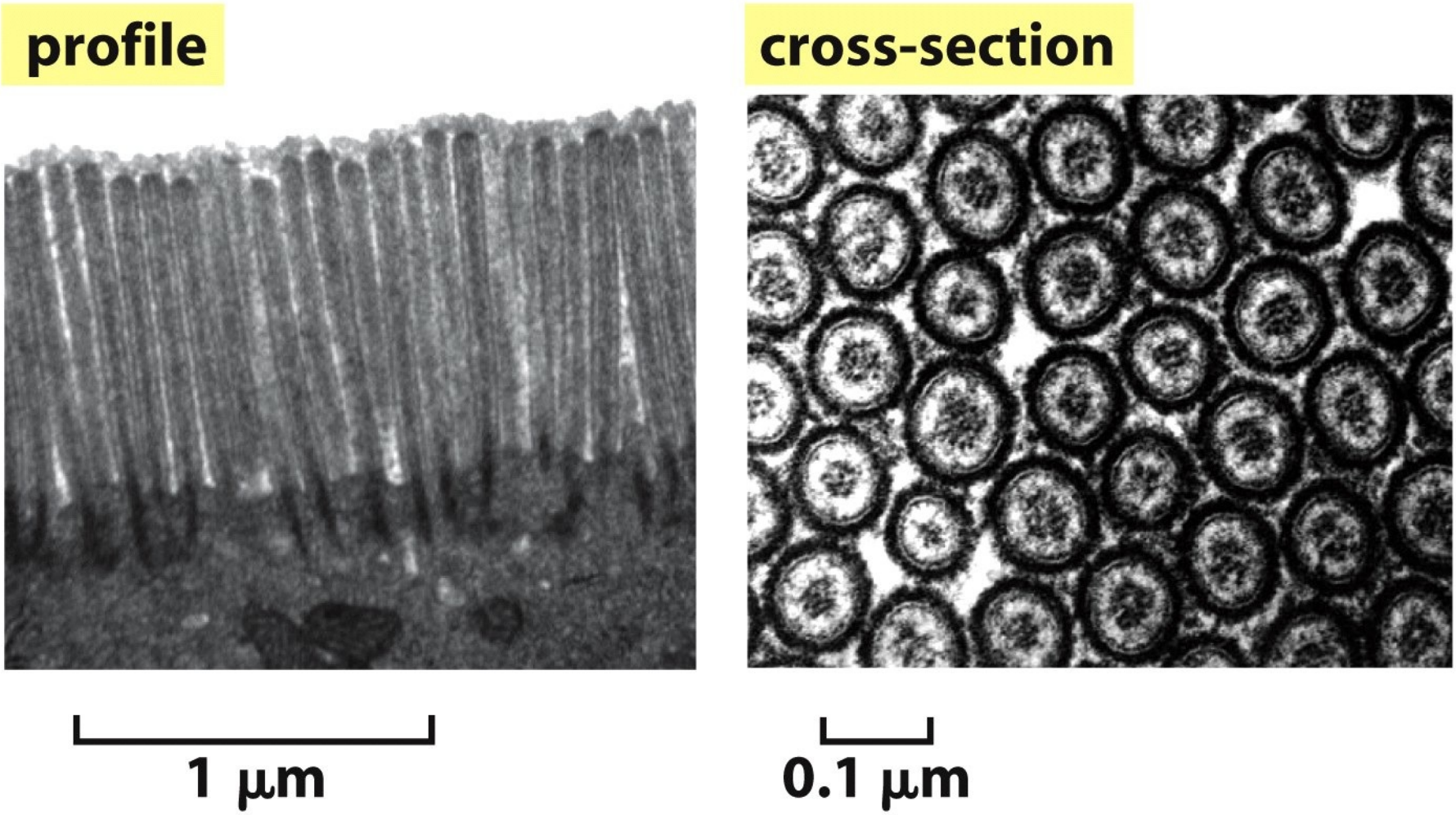


Figure Q11-1 *Molecular Biology of the Cell* (© Garland Science 2008)

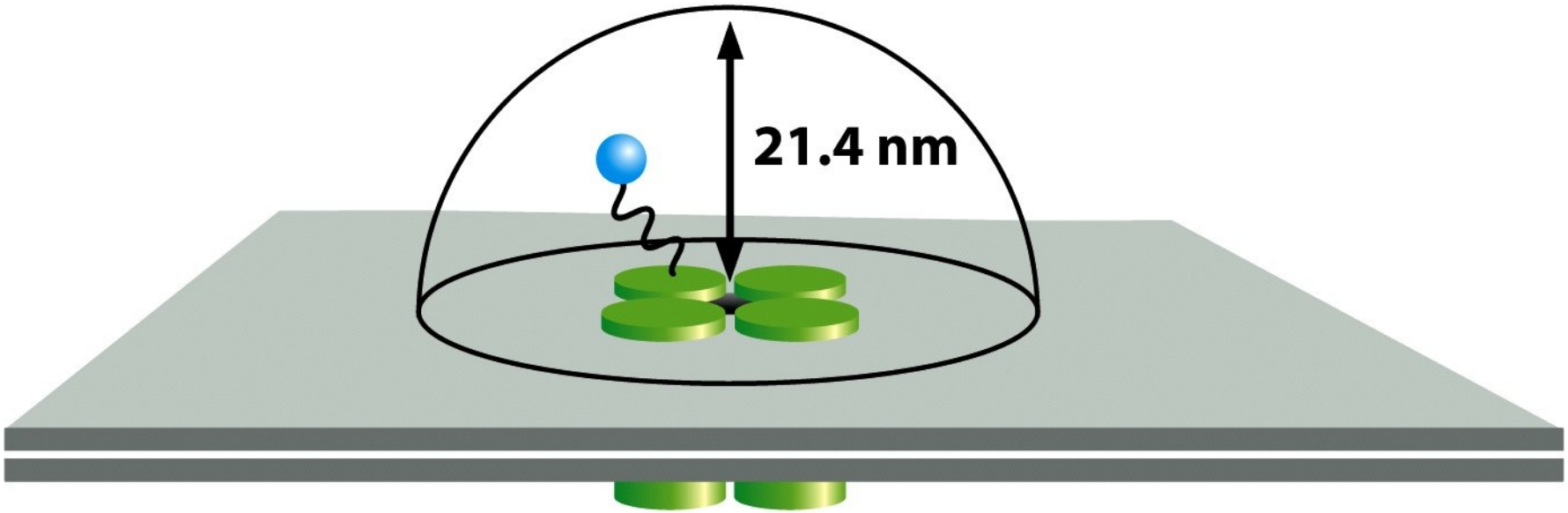


Figure Q11-2 *Molecular Biology of the Cell* (© Garland Science 2008)

Table Q11–1 Ionic composition of seawater and of cytoplasm from the squid giant axon (Problem 11–10).

ION	CYTOPLASM	SEAWATER
Na^+	65 mM	430 mM
K^+	344 mM	9 mM

Table Q11-1 *Molecular Biology of the Cell* (© Garland Science 2008)