

CHAPTER 11

SIGNAL TRANSDUCTION
CELL RESPONSES TO SIGNALS

Figure 11.10 Steroid hormone interacting with an intracellular receptor

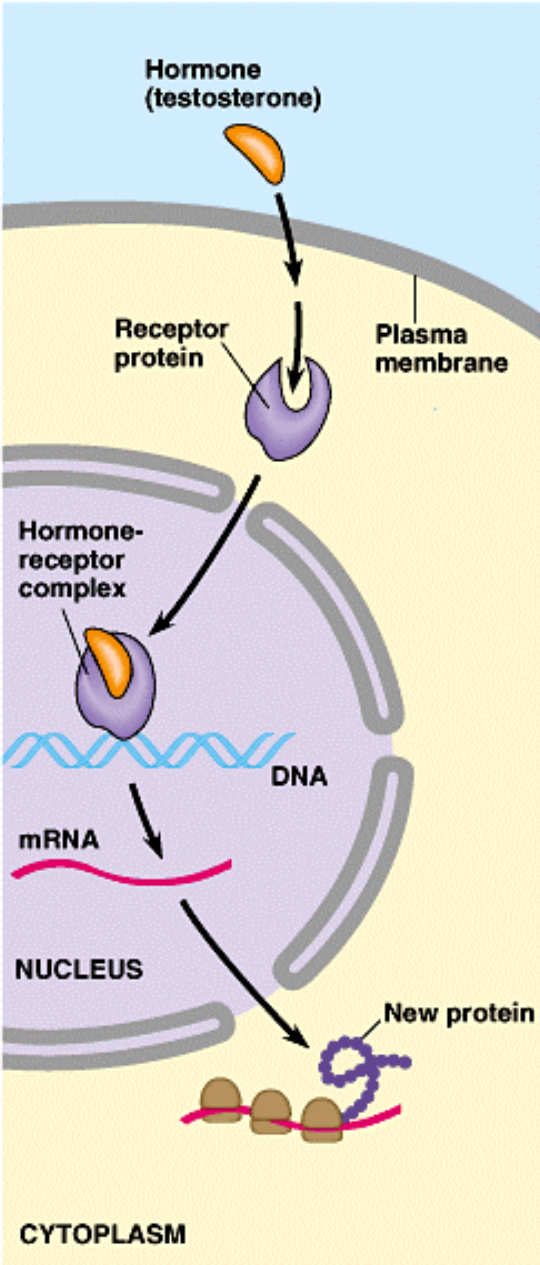


Figure 11.11 A phosphorylation cascade

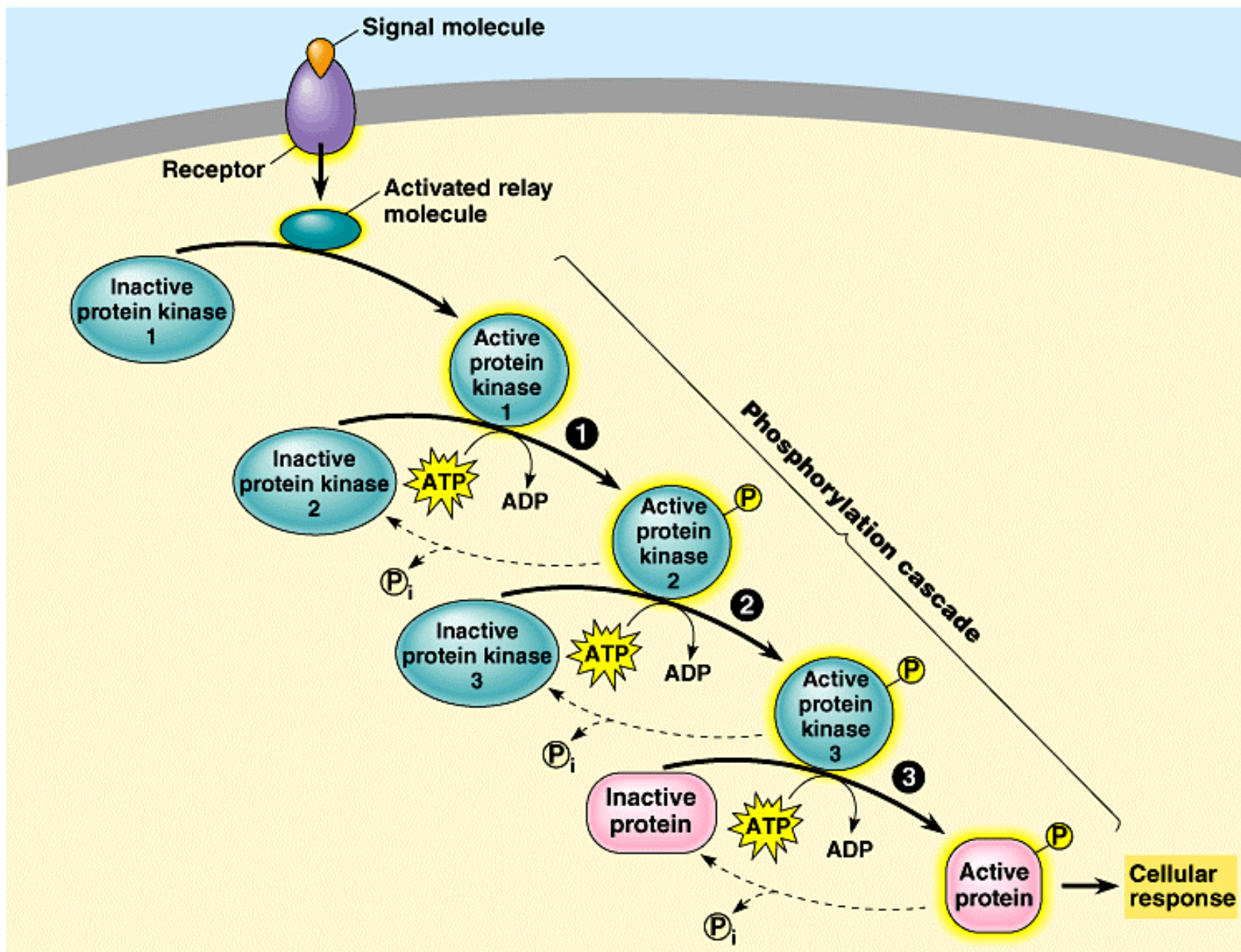
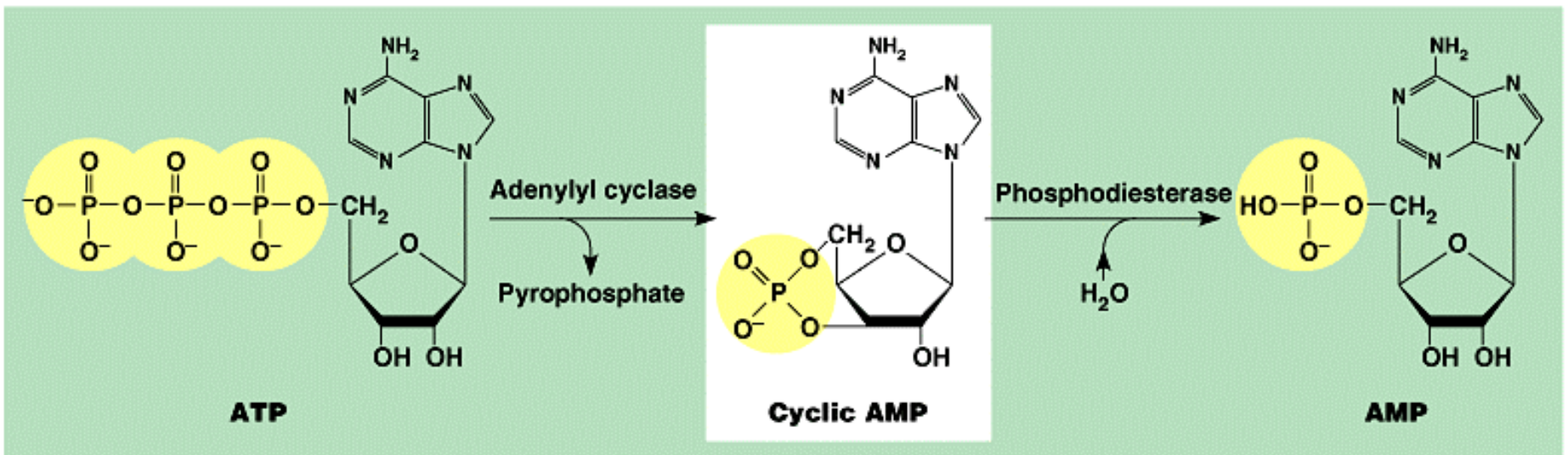


Figure 11.12 Cyclic AMP



Copyright © Pearson Education, Inc., publishing as Benjamin Cummings.

Figure 11-12x cAMP

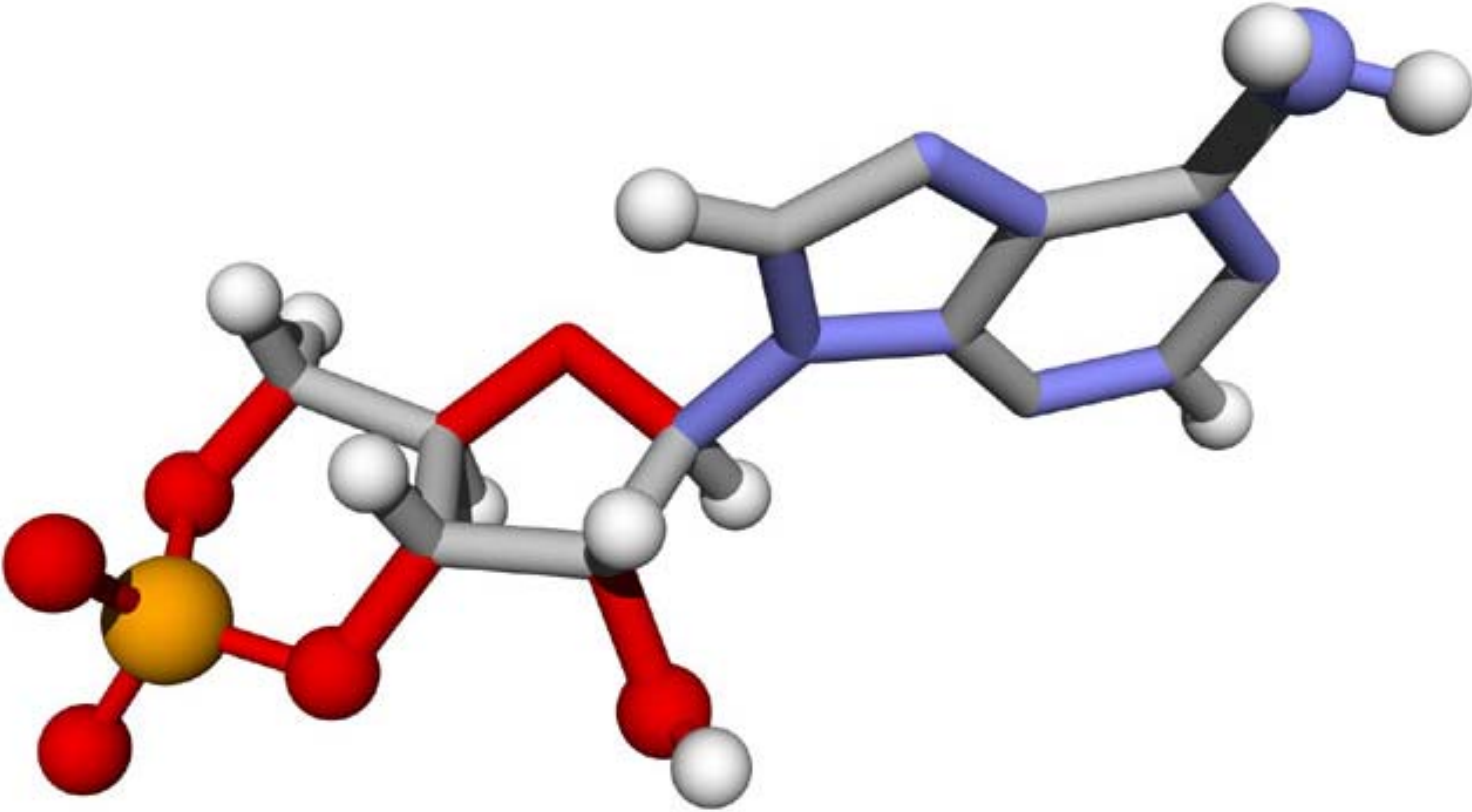


Figure 11.13 cAMP as a second messenger

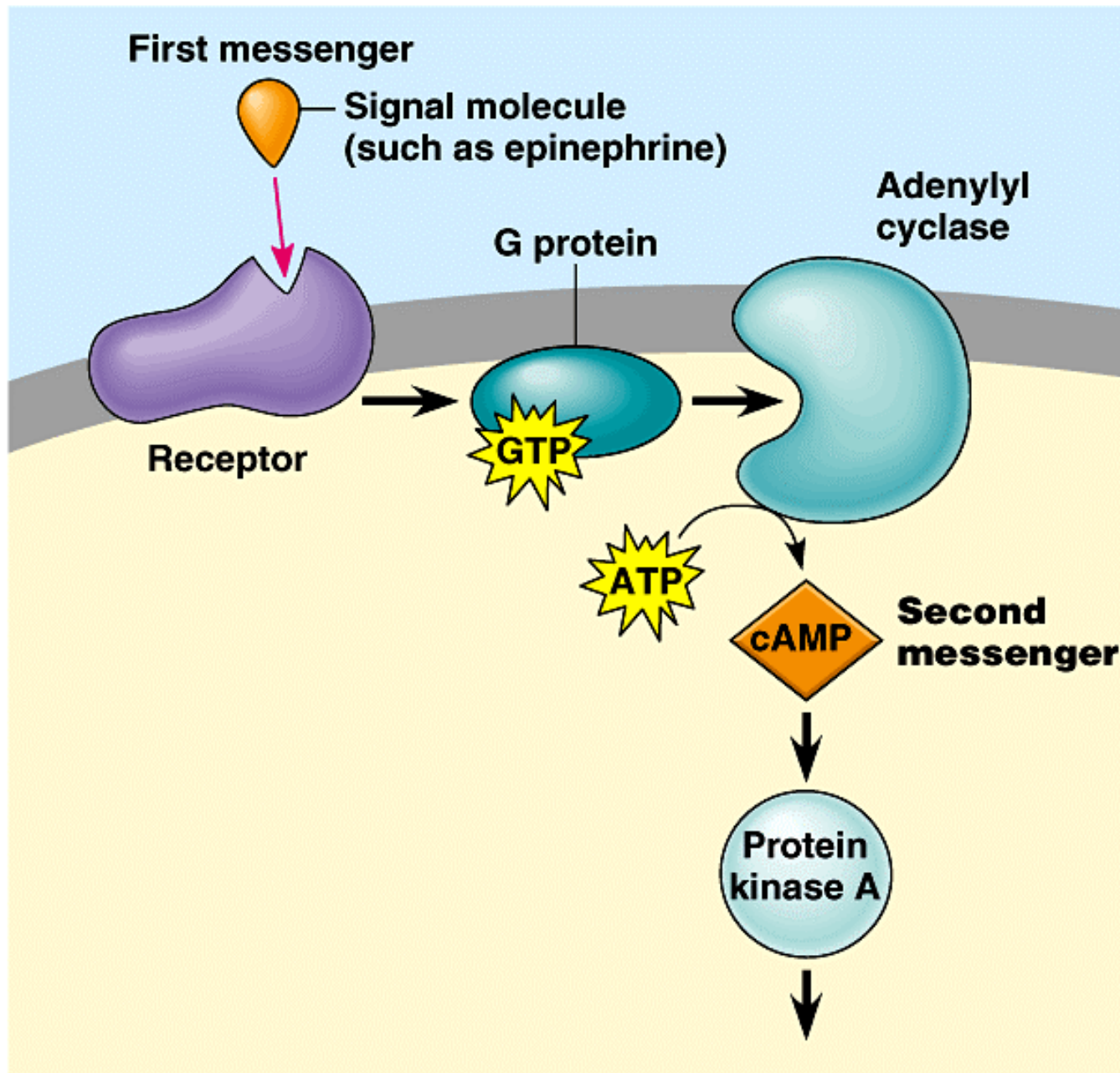


Figure 11.14 The maintenance of calcium ion concentrations in an animal cell

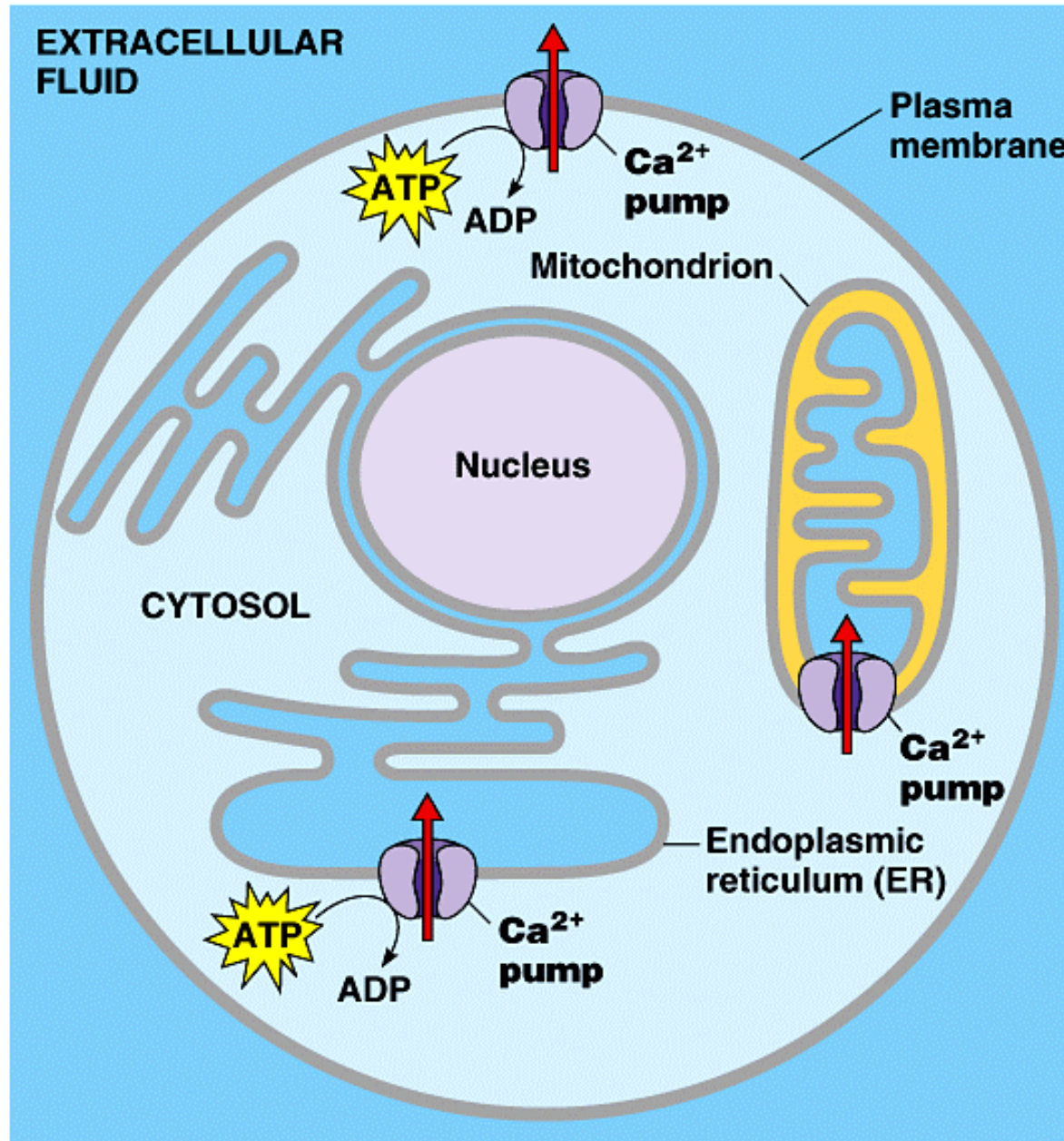


Figure 11.15 Calcium and inositol triphosphate in signaling pathways (Layer 1)

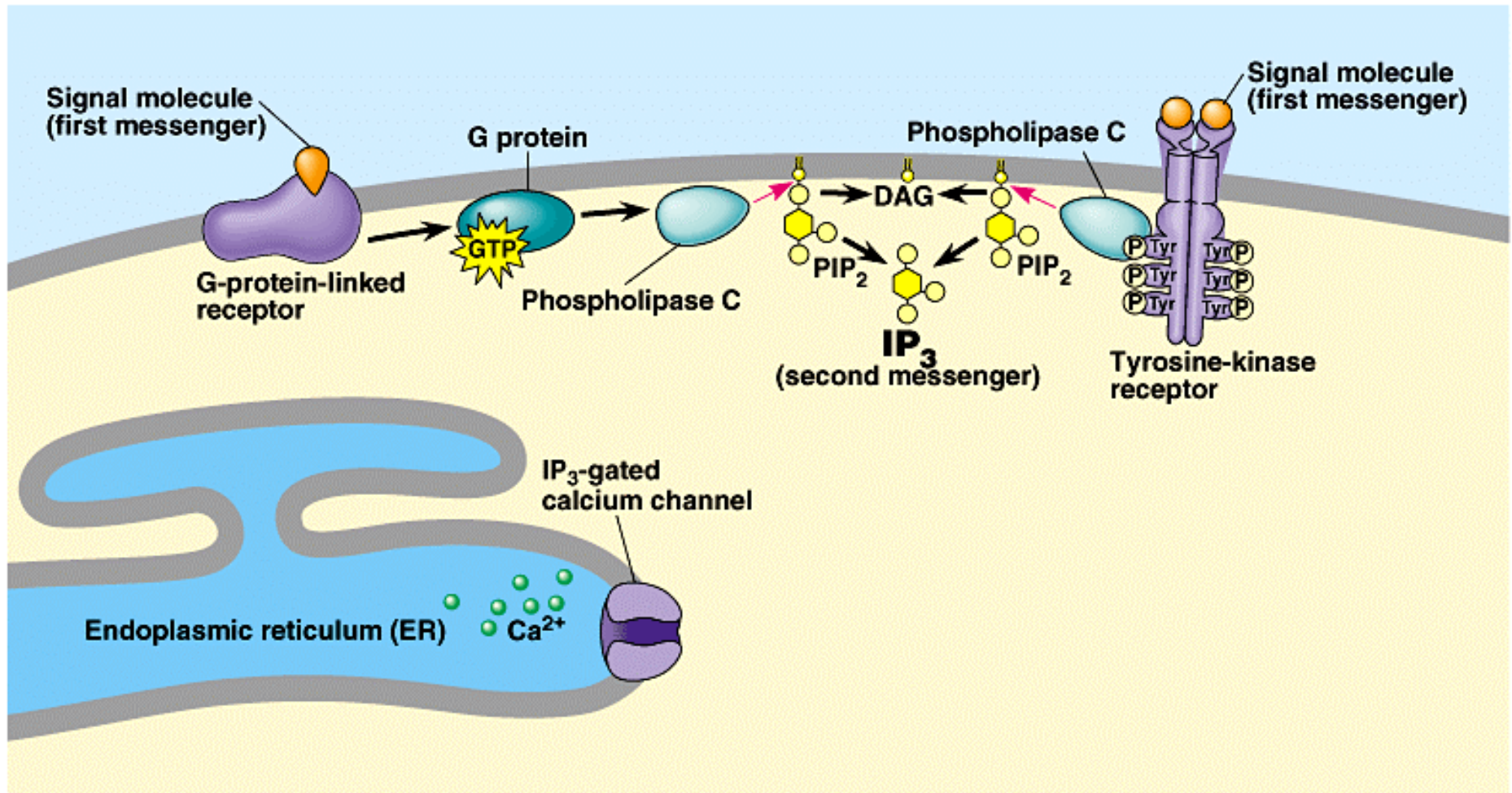


Figure 11.15 Calcium and inositol triphosphate in signaling pathways (Layer 2)

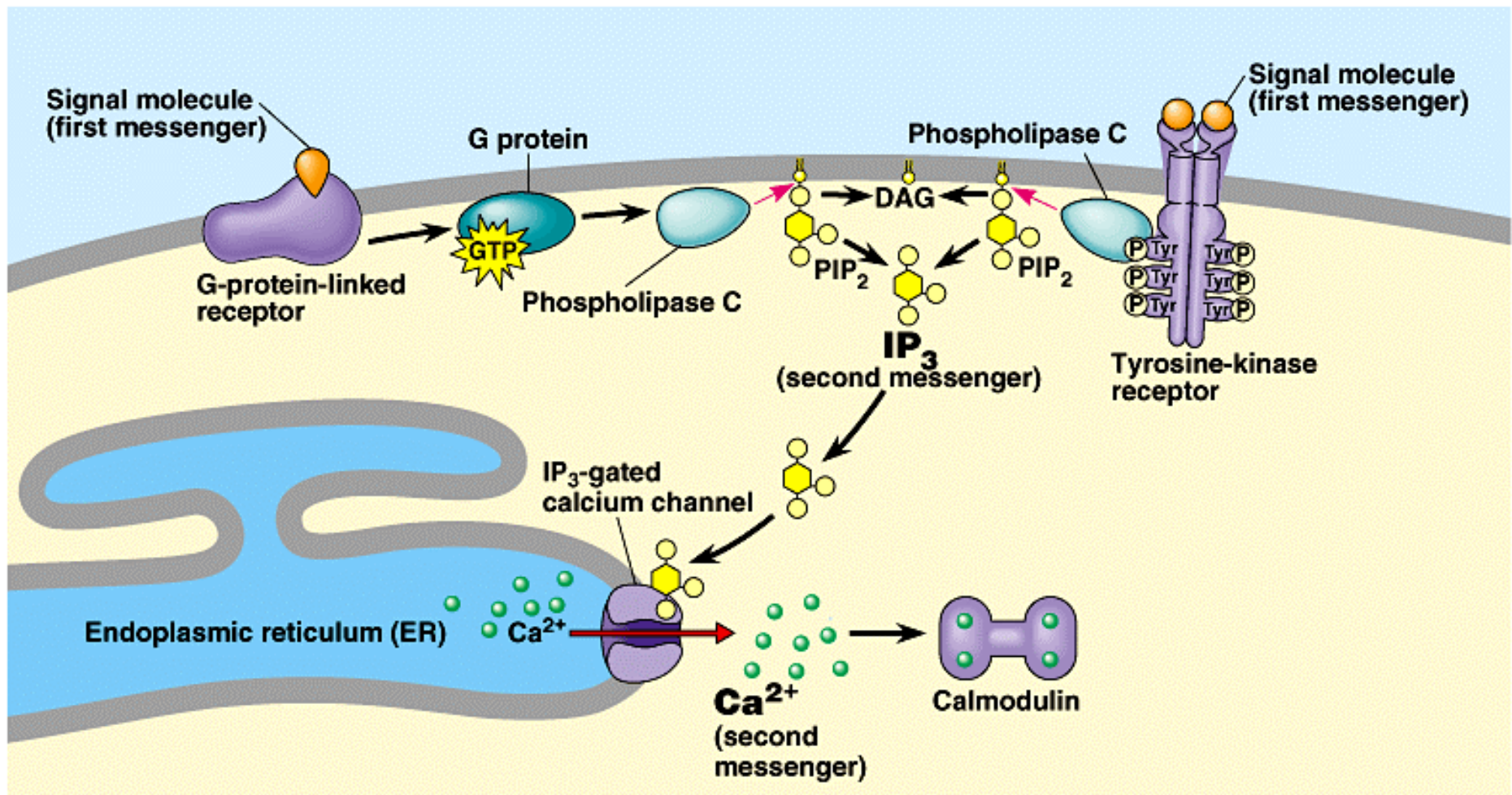


Figure 11.15 Calcium and inositol triphosphate in signaling pathways (Layer 3)

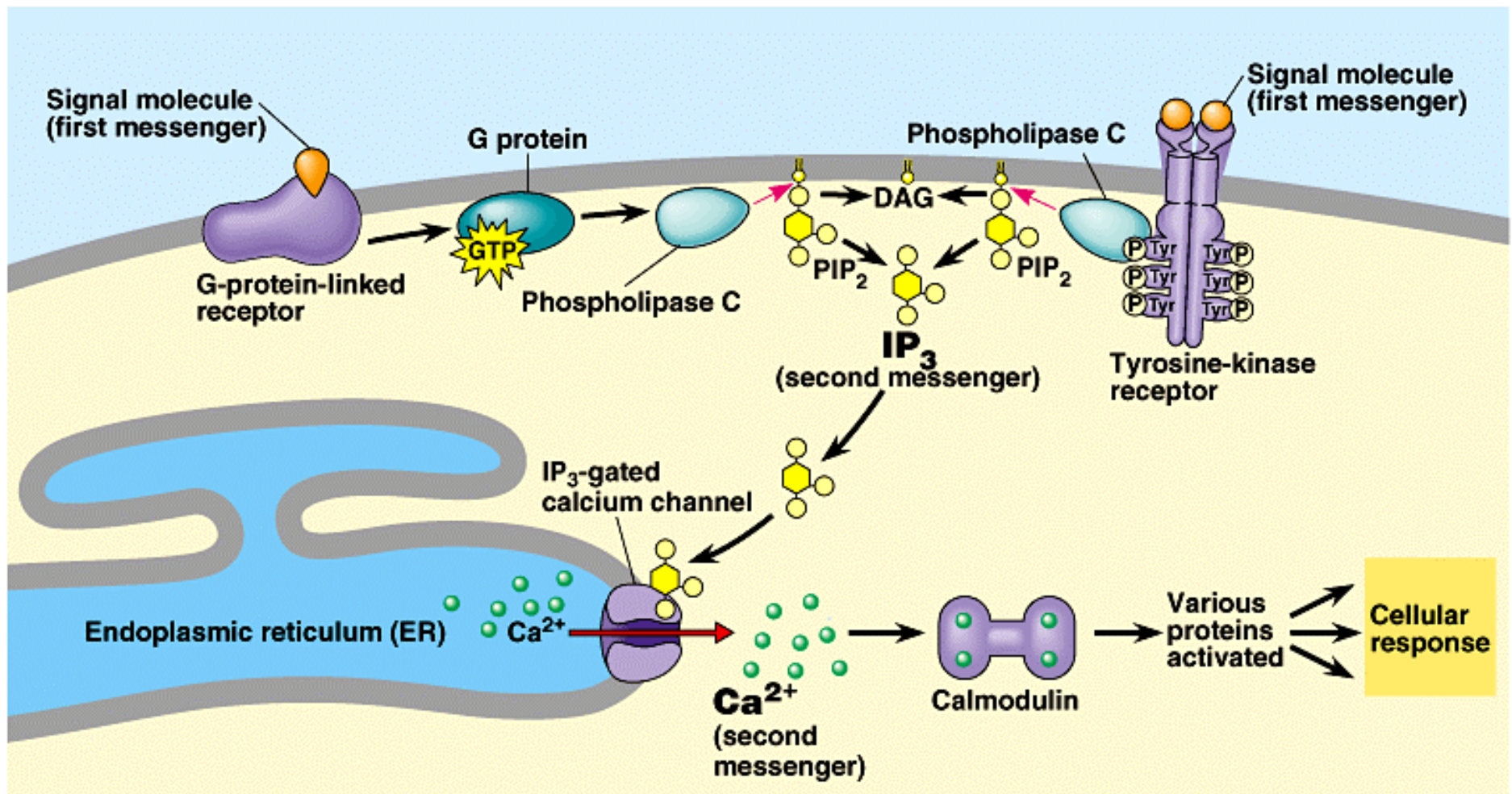


Figure 11.16 Cytoplasmic response to a signal: the stimulation of glycogen breakdown by epinephrine

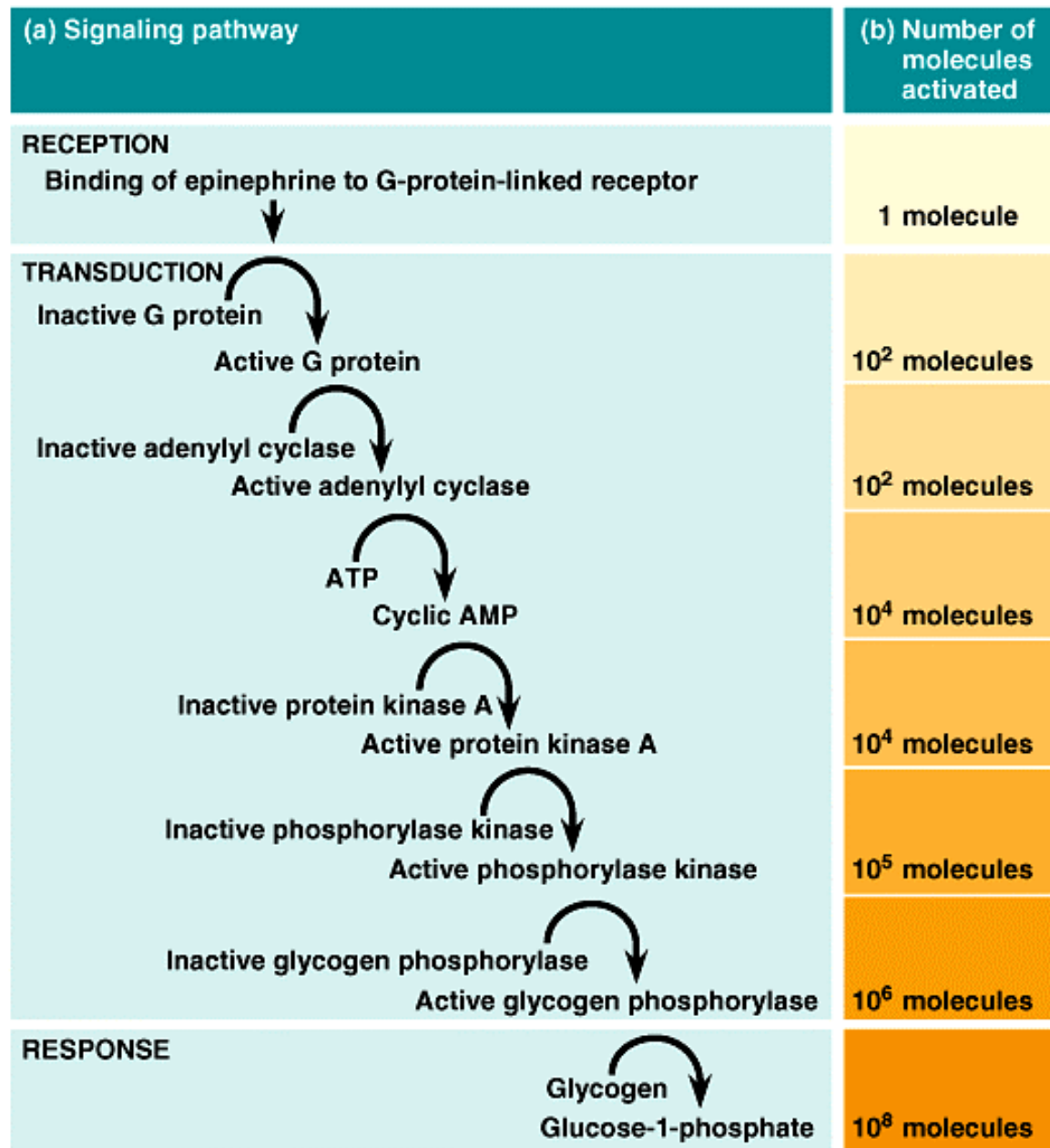


Figure 11.17 Nuclear response to a signal: the activation of a specific gene by a growth factor

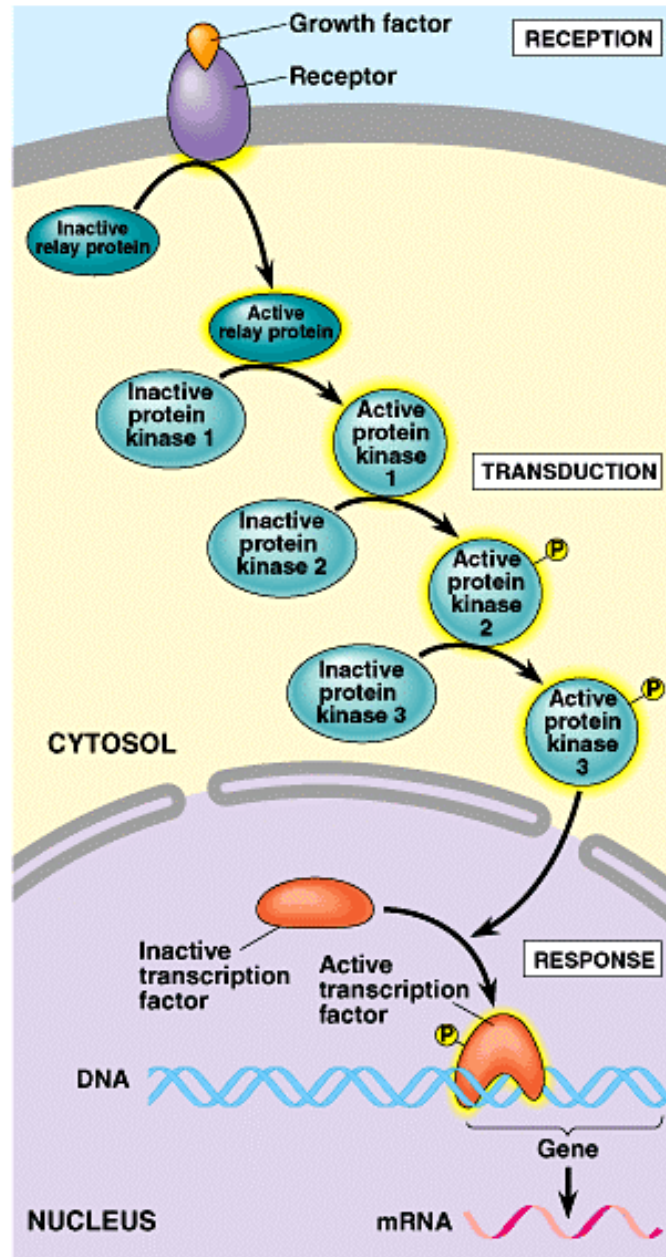


Figure 11.18 The specificity of cell signaling

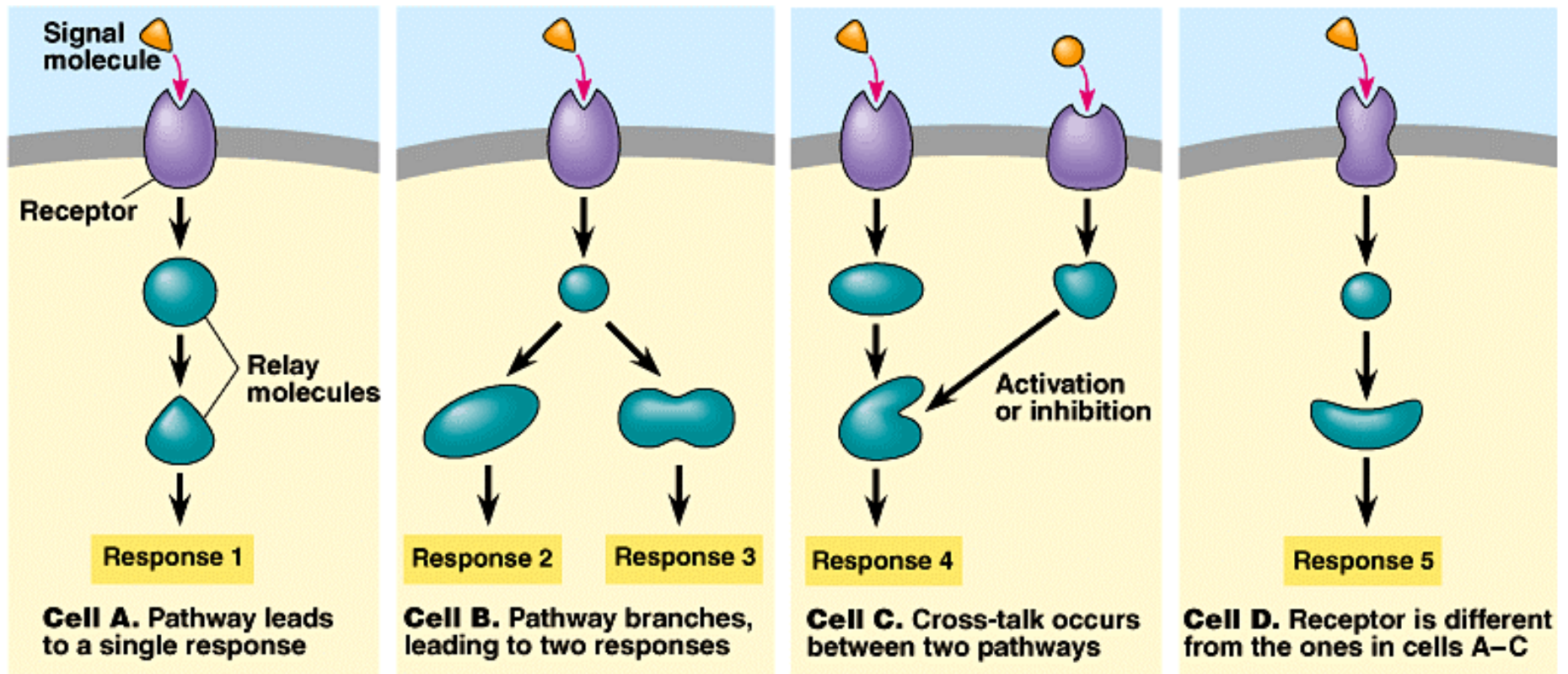


Figure 11.19 A scaffolding protein

