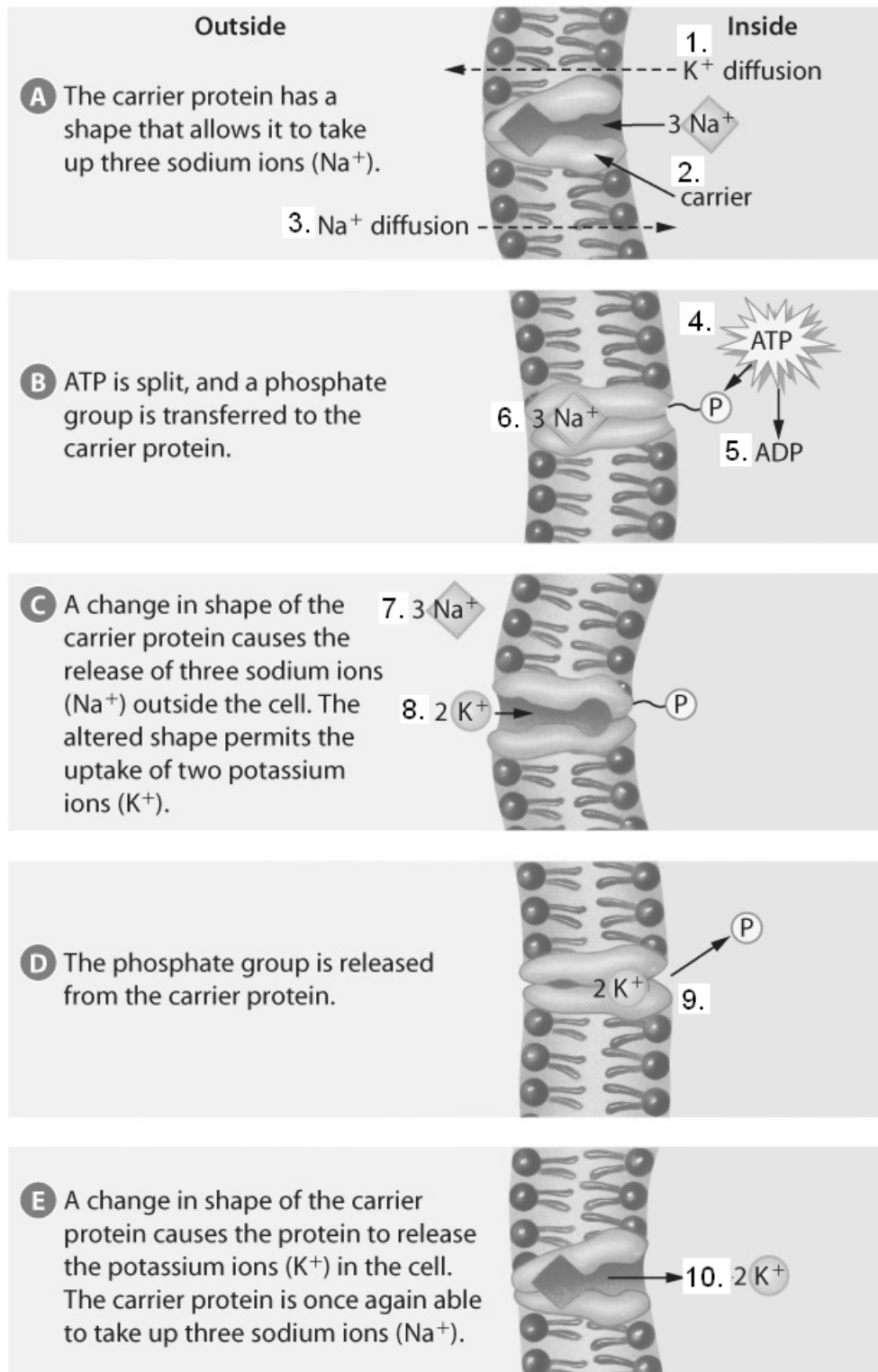


Establishing the Resting Membrane Potential in a Neuron Answer Key



The sodium-potassium exchange pump actively transports three sodium ions (Na^+) outside of the cell for every two potassium ions (K^+) moved inside the cells. Small amounts of Na^+ and K^+ also diffuse (“leak”) slowly across the cell membrane, following their concentration gradient.