Table 10.1 Relationship between the free energy change (ΔG) for ATP hydrolysis and the reaction quotient.

Q	Q/K	ΔG (kJ•mol^{-1})	[ATP]/[ADP]	Relevant condition
10^5	1	0	10^{-7}	equilibrium
10^3	10^{-2}	−11	10^{-5}	
1	10^{-5}	−28	10^{-2}	standard condition
10^{-3}	10^{-8}	−46	10^1	mitochondrial matrix
10^{-5}	10^{-10}	−57	10^3	cytoplasm