

A

distribution of ATP consumption
for a mean action potential rate of 4Hz

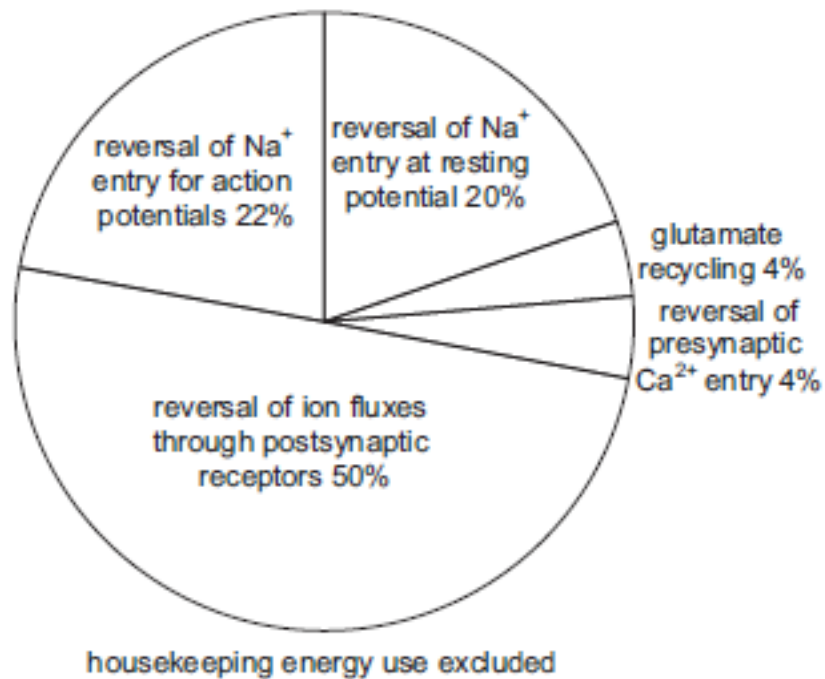


Figure 2. Energy Consumption of Different Signaling Mechanisms

(A) Percentage of ATP predicted to be used on the subcellular mechanisms of Figure 1, from the analysis of Attwell and Laughlin (2001), updated to account for mammalian action potentials using less energy than those in squid giant axon.