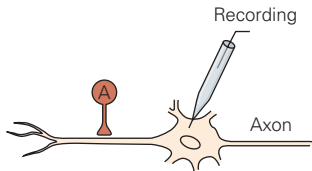


A Temporal summation

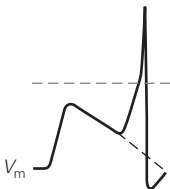


Synaptic current

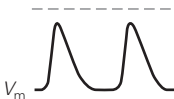


Synaptic potential

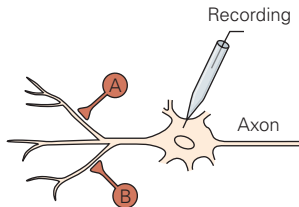
Long time constant (100 ms)



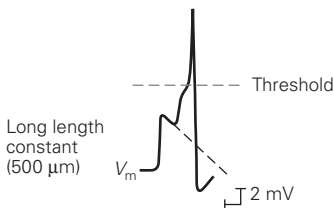
Short time constant (20 ms)



B Spatial summation



$I \approx 2 \times 10^{-10} \text{ A}$



Long length constant (500 μm)

Short length constant (250 μm)

