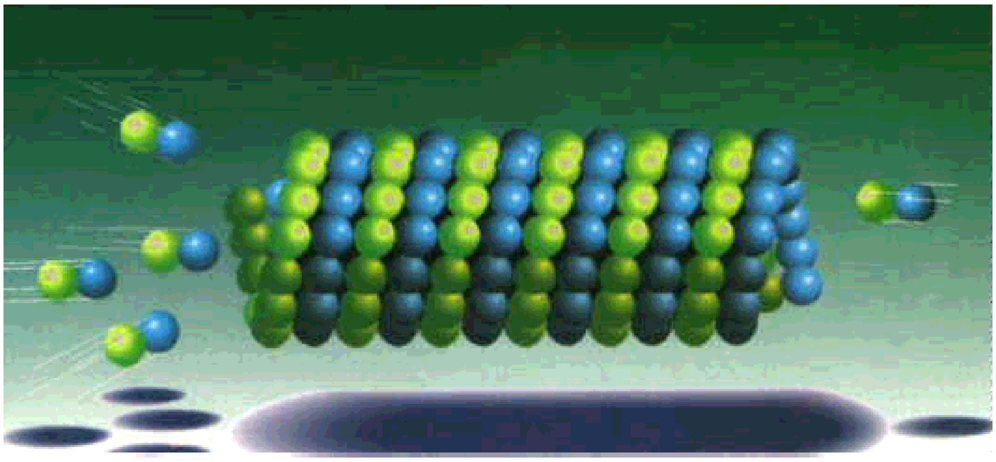
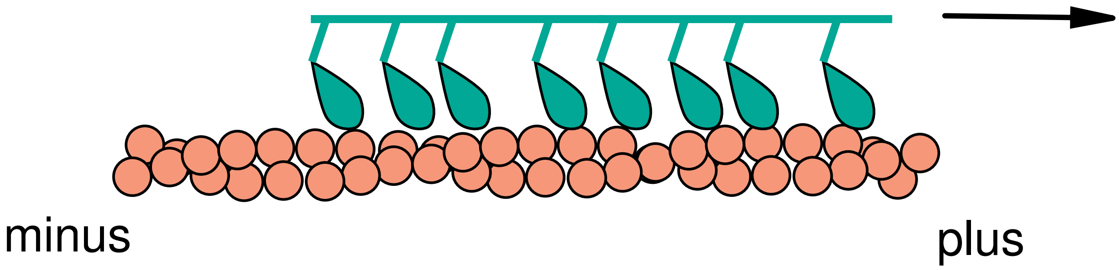
Filaments



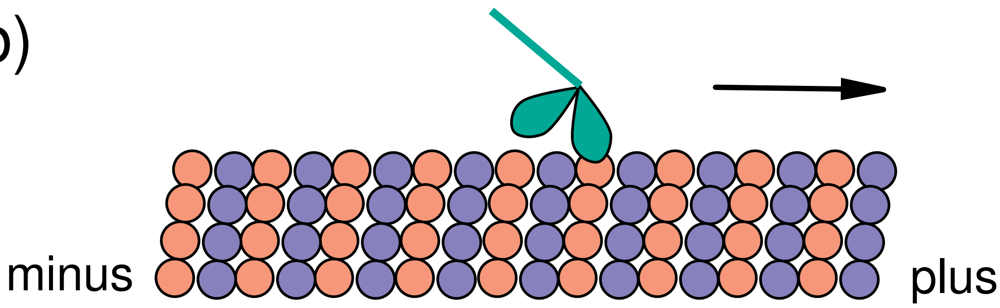
Actin filament

(a)

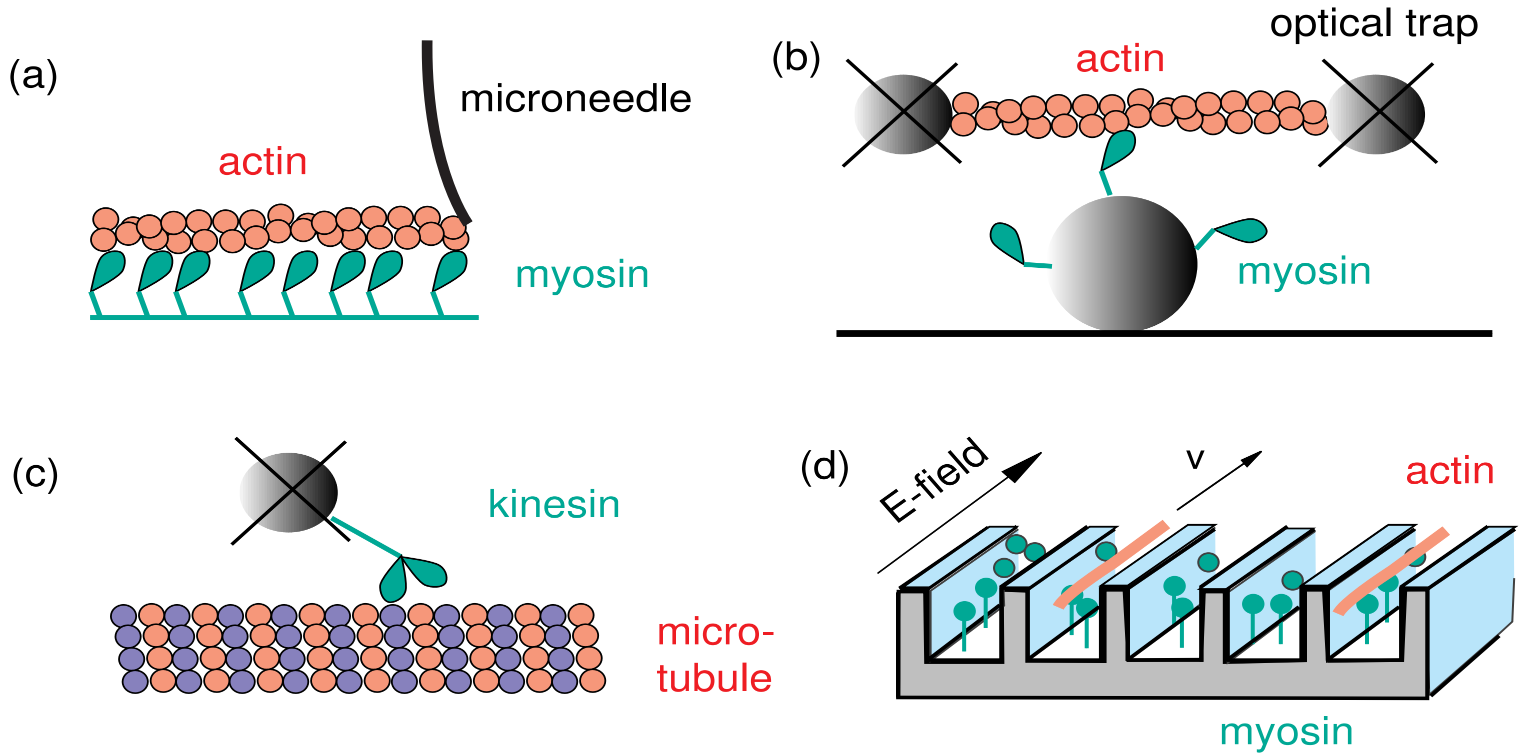


Microtubule

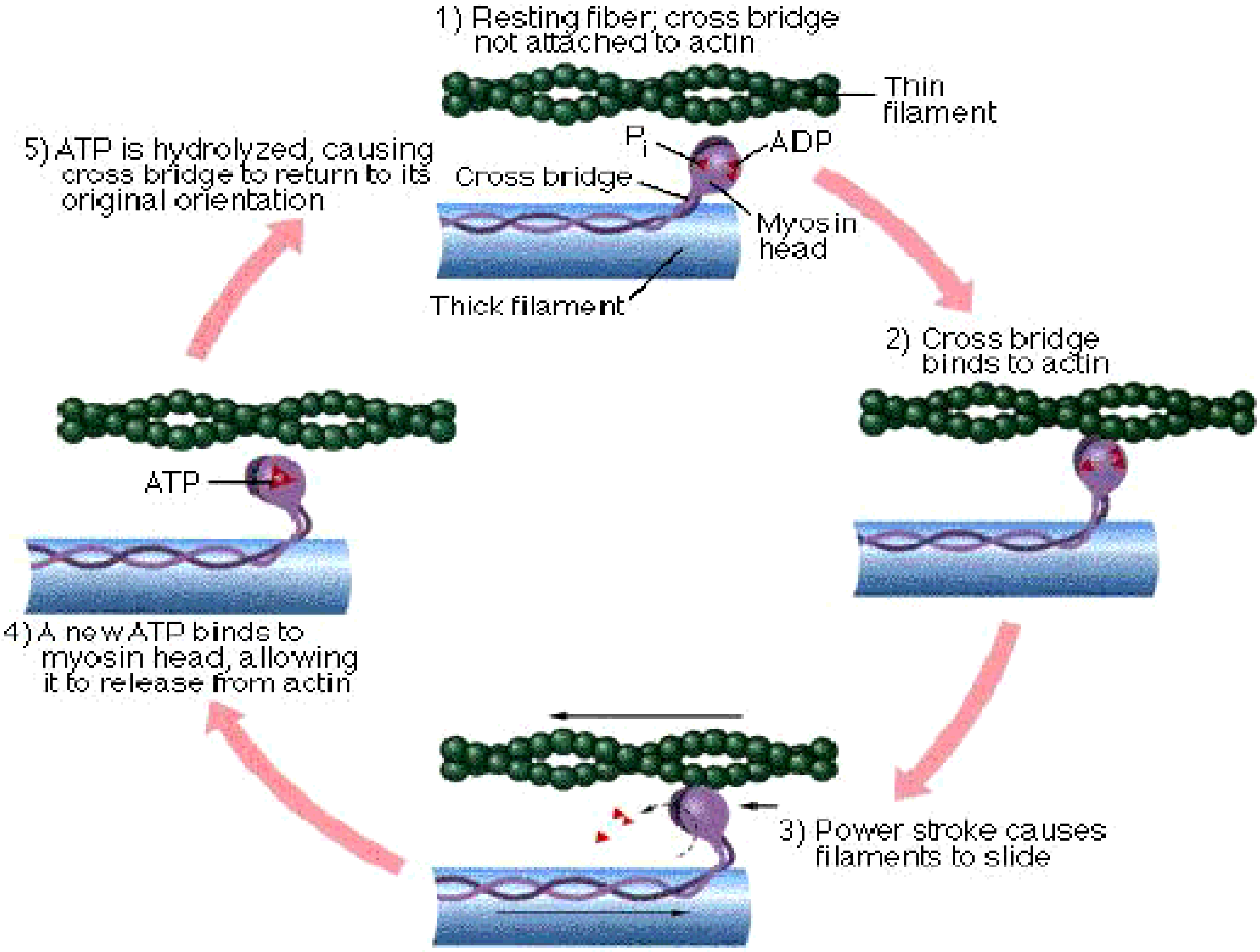
(b)



Motility assays



Cross-Bridge Cycle



$$M + ATP \underset{\alpha_2(x)}{\overset{\alpha_1(x)}{\rightleftharpoons}} M \cdot ADP \cdot P$$

$$M + ADP + P \underset{\beta_2(x)}{\overset{\beta_1(x)}{\rightleftharpoons}} M \cdot ADP \cdot P$$