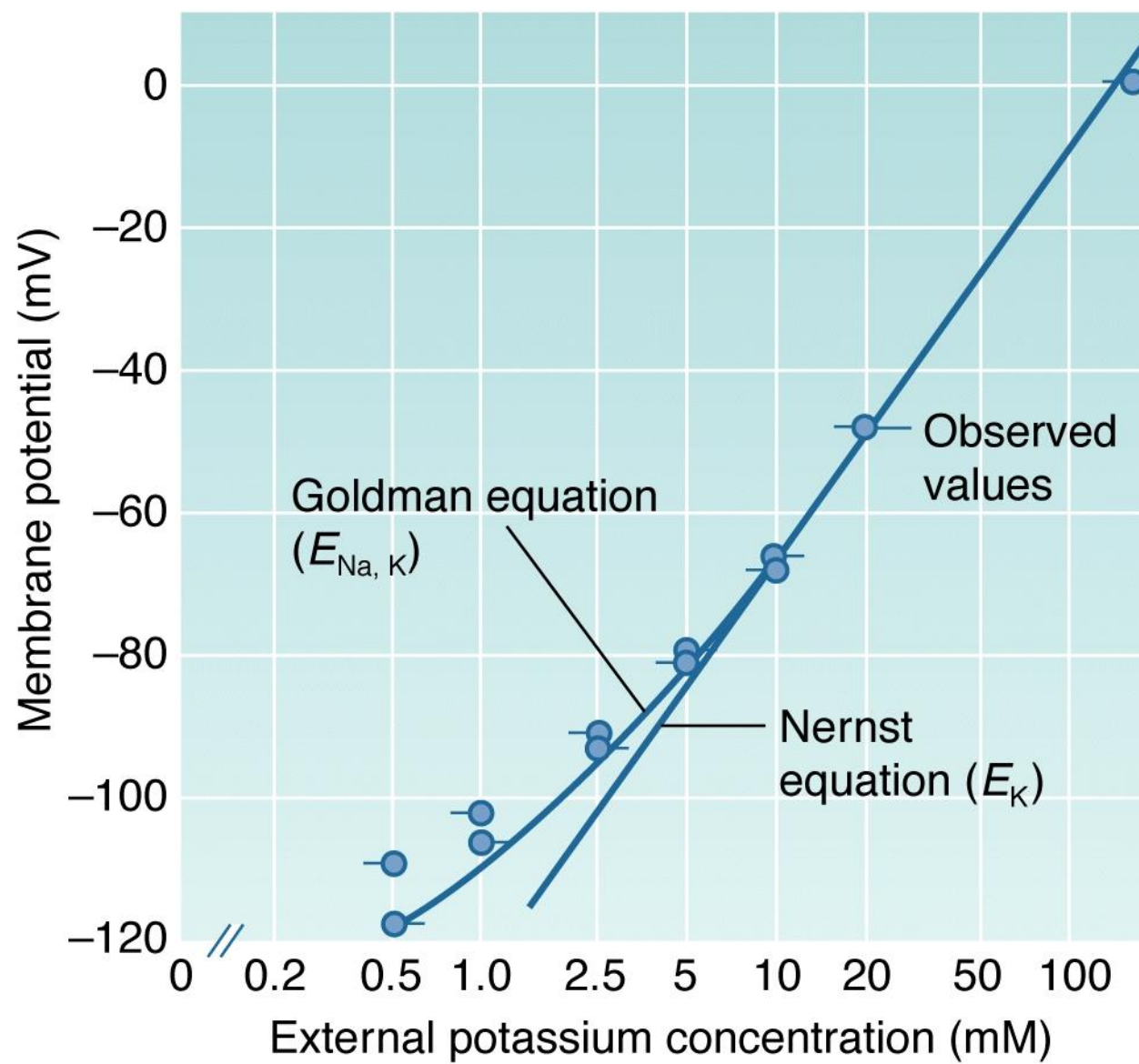


(b)

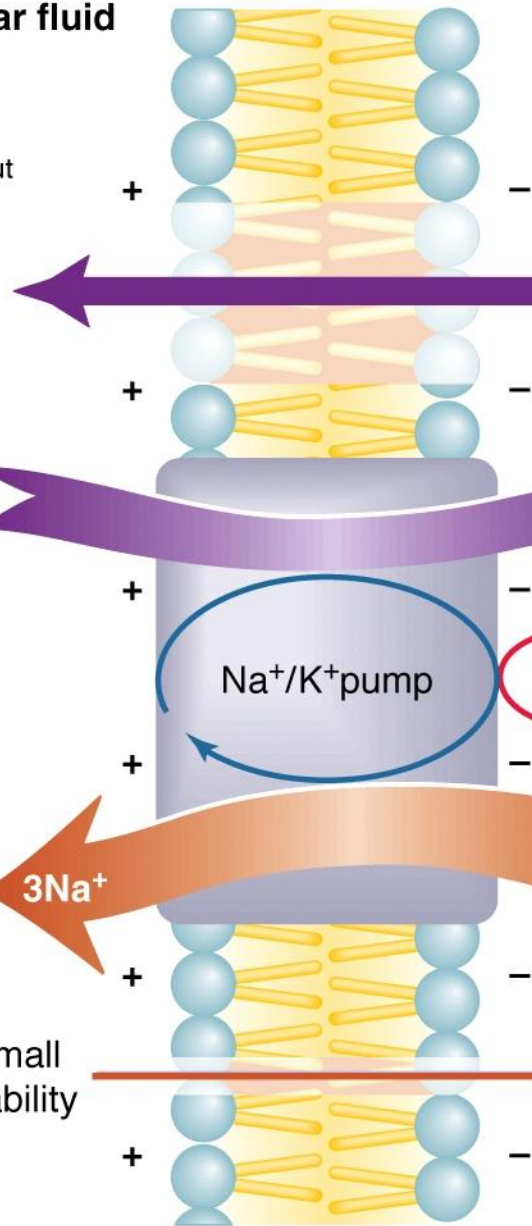


Extracellular fluid

Low $[K^+]_{out}$
High $[Na^+]_{out}$

Cytosol

High $[K^+]_{in}$
Low $[Na^+]_{in}$



Relatively large
 K^+ permeability

$2K^+$

ATP

ADP + P_i

Na^+/K^+ pump

$3Na^+$

Relatively small
 Na^+ permeability