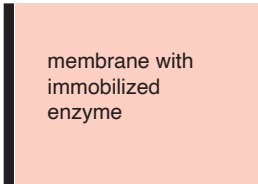


$$x = 0$$

$$x = L$$



membrane with
immobilized
enzyme

$$\frac{\partial S(0, t)}{\partial x} = 0$$

$$S(L, t) = S_0$$

$$\frac{\partial P(0, t)}{\partial x} = 0$$