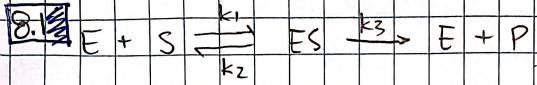


Question 7.



① $\frac{d[E]}{dt} = k_2[ES] + k_3[ES] - k_1[S][E]$

② $\frac{d[S]}{dt} = k_2[ES] - k_1[S][E]$

③ $\frac{d[ES]}{dt} = k_1[S][E] - (k_3 + k_2)[ES]$

④ $\frac{d[P]}{dt} = k_3[ES]$