8.1

$$\frac{\Delta[E]}{\Delta t} = k_2[ES] + k_3[ES] - k_1[E][S]$$

$$\frac{\Delta[S]}{\Delta t} = k_2[ES] - k_1[E][S]$$

$$\frac{\Delta[ES]}{\Delta t} = k_1[E][S] - k_2[ES] - k_3[ES]$$

$$\frac{\Delta[P]}{\Delta t} = k_3[ES]$$