8. 1

$$\upsilon_1 = -\frac{\delta[E]}{\delta t} = k_1[E][S] - k_2[ES]$$

$$\upsilon_2 = -\frac{\delta[S]}{\delta t} = k_1[E][S] - k_2[ES]$$

$$\upsilon_3 = -\frac{\delta[ES]}{\delta t} = (k_2+k_3)[ES] - k_1[E][S]$$

$$\upsilon_4 = -\frac{\delta[P]}{\delta t} = -k_3[ES]$$