

Chemical Reaction Engineering I

Self Test 1

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QUESTION 1

Consider an elementary reaction is conducted as follows:



- (a) Formulate the reaction rate law for B, r_B and C, r_C for the reaction
- (b) Calculate the reaction rate of A and C if the final concentration of A, C_A is 1.5 mol/dm^3 , C_B is 9 mol/dm^3 and k_A is $2 \text{ (dm}^3/\text{mol)}^{(1/2)}(1/\text{s})$.



QUESTION 2

Define the overall order for the list of reactions below:



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