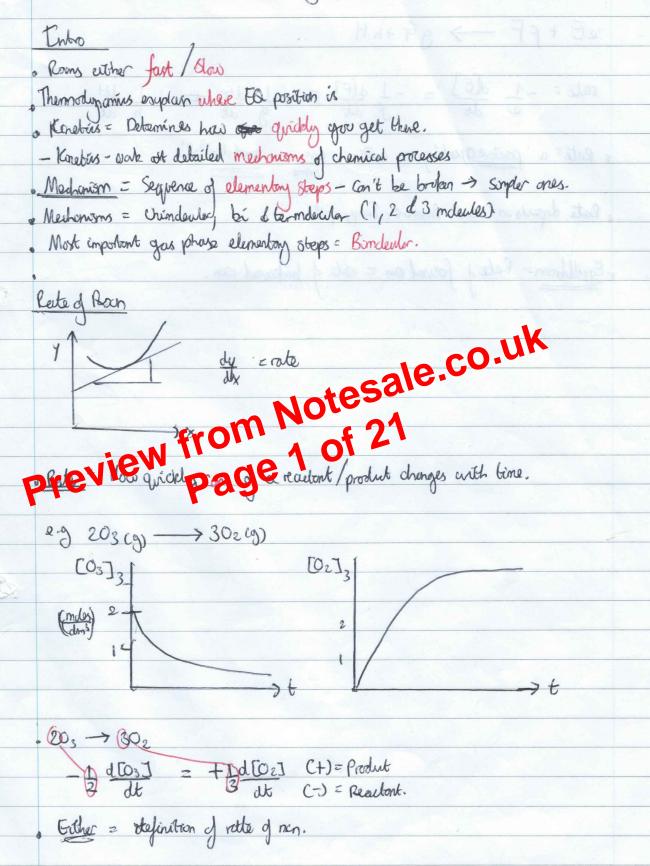
Physocal Chemistry 132



1005 PIAS = WA 2000 FPO - NEOR
When the rate equation = KCAJCBJ - conditions dreven: [A=CB] throughout the appearment
When the rate equation = k(A)(B) - conditions dresen: (A=B) throughout the appearment. Rate equation = breaked some as k(A) ²
CONTROL 25
The Integrated 2rd Order Rate Equation
CALL MOST SANABA STRUM = [V]
-dea] = K[A]2 Pord No Markey (A)
-dea] = K[A] ² Proof dt J[A] = L'Redt
dt <u>deal</u> = Ledt CAJ ²
COT JUST - b Ctu
TAT ² John
2 (A) 6 4
[-CAJ-]A= [-Rt] 0
JAO DIE CO
" mintesan
The sended were on - 5 21
Lesting for the order parties of the control of the
Testing for 2nd order profits One of 21 Testing for 2nd order profits One of 2 Line 1 = best for 2nd order profits of best fit (m=k) The line of best fit (m=k)
y = mx + c and larger than the contract of the
(m=k) Find line of heat fit
t - Foil grublest (K)
11 (11)
Half life
fluffle = (t /2) = time taken to use up half of the reactions.
Tend Order, to the Cot so to use up half of the reactants. Zend Order, to the Cot so to the total to the teachers.
2nd Order is t1/2 = 1 t ? as \(\frac{1}{2} \) Left I
1st ode: t1/2 = 1/2
- filz does not depend in [A]o - May life remains constant.
- May life remains constant.
- Use: Corlina Chyrorid Cenar) & Caban (Centan destring)

de 8° = st. 1 Veresco D. Second Order ... Serbit Frank de Baser de Maleira con Mars

Eg Howmith of a 1x108 moldm³ Ledne sample is left ofter 4 weeks (1/2 life = 8 days)? 8.07 d = 6970005, 4w = 24192005 = 9,94407 [A] = StoJekt [A] = 1x108x = 924x10 x 244210 [A] = 9.03 × 10 m left. Preview from Notesale.co.uk

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