

CH₃COOCH₂CH₂COOH + NaOH → CH₃COONa + CH₂COONa
 & the A - NaOH

2 moles of 0.5 with 1.503k

$$k = 3.2 \cdot 10^2 \text{ g}^{-1}$$

~~$$\frac{1.5}{k} \text{ (mass)}$$~~

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$$\frac{c_2 - c_1}{\Delta T} = k \cdot c \text{ (mass)}$$

~~$$\frac{0.9}{\Delta T} = k \cdot 0.5$$~~

$$\frac{0.9}{3.2 \cdot 10^2} = 0.0005$$