Review

Differential Rate Laws

rate ($M\ s^{-1}$) = $k\ [A]^a\ [B]^b \ldots$

$A + 3B \rightarrow 2C$

$$\text{rate} = -\frac{\Delta[A]}{\Delta t} = -\frac{1}{3}\frac{\Delta[B]}{\Delta t}$$

Assume that A is easily detected

initial rate = $1 \times 10^{-3}\ M\ s^{-1}$