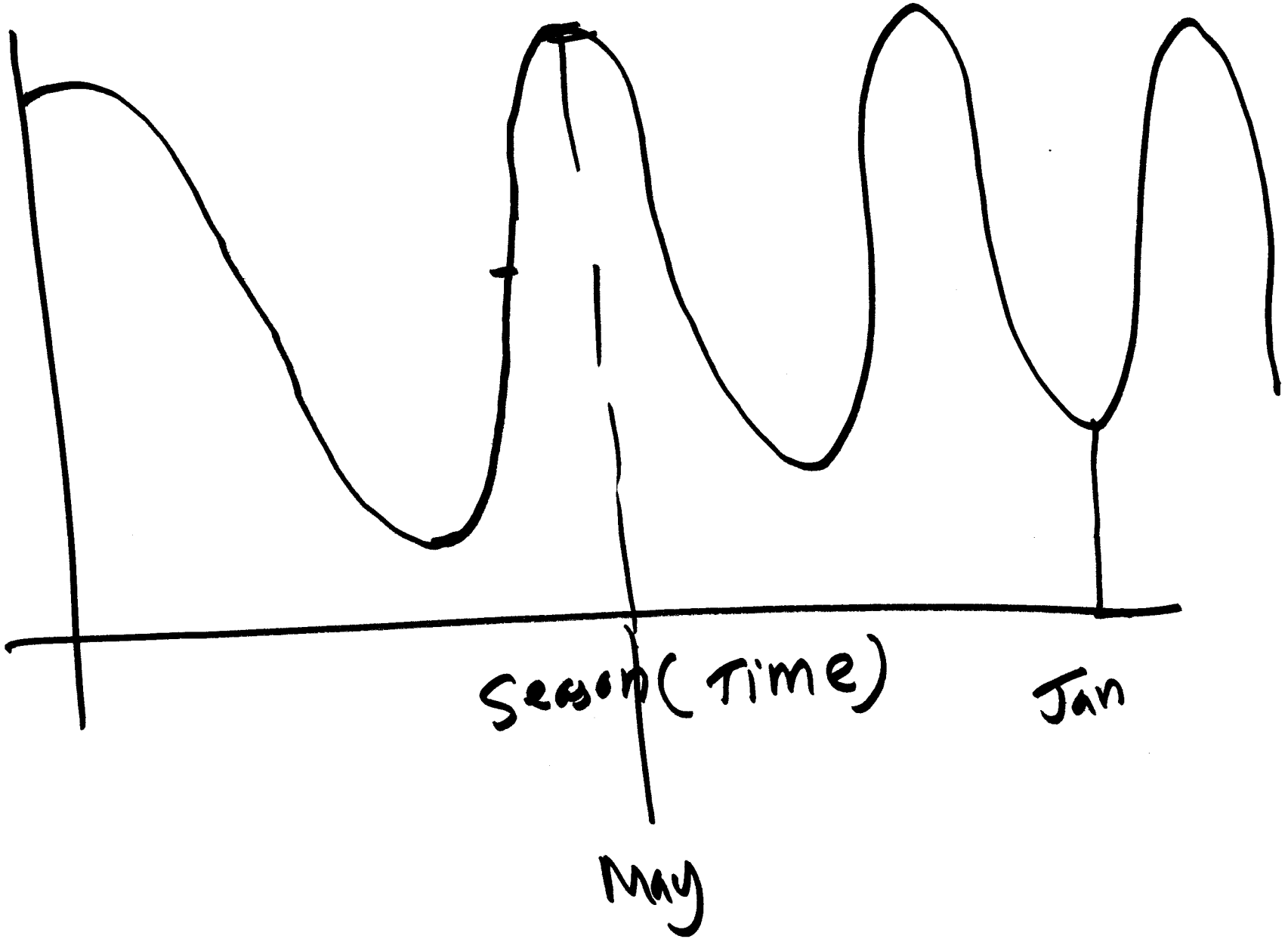
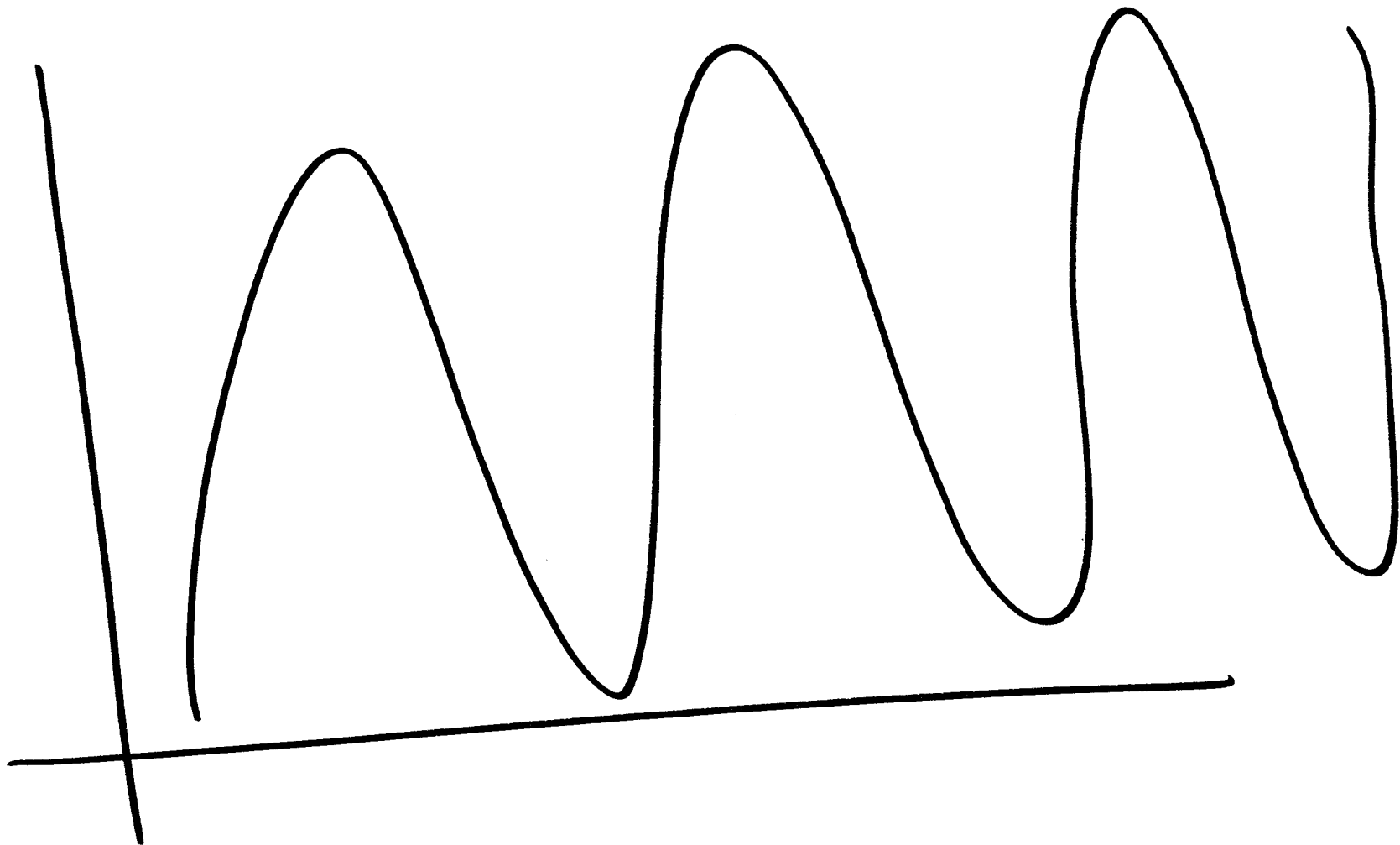
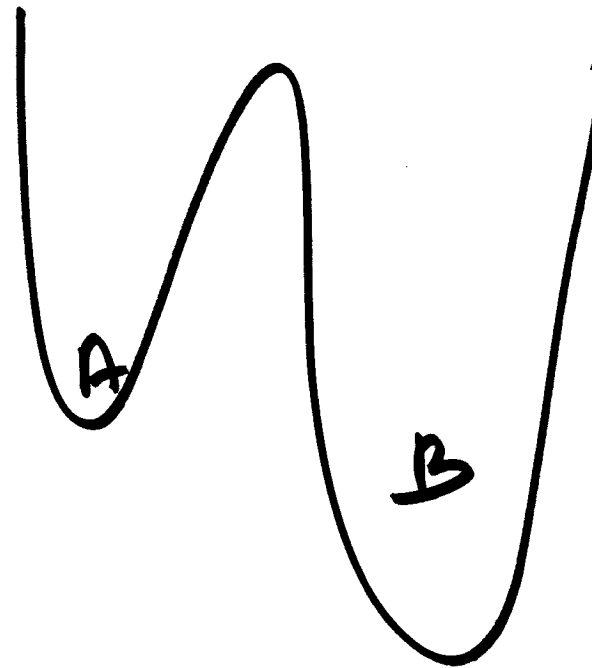


Temp





A \Rightarrow B



$$e^{\textcircled{X}} = 1 + \textcircled{X} + \frac{\textcircled{X}^2}{2} + \dots$$

$$r = A e^{-\left(\frac{E_a}{RT}\right)}$$

$$1 + X + X^2 + X^3 + X^4 \dots$$

$$\frac{i}{1-x} =$$

$$\frac{x}{1+x}$$

e^x

$$e = 2.7 \dots$$

$$y(x) = 2^x$$

$t = 0$ min	—	1 cell
20 min	—	2 cells
40 min	—	4 cells
60 min	—	8 cells

$$k = \frac{1}{20 \text{ min}}$$

$$2^{kt} = 2^{\frac{60 \text{ min}}{20 \text{ min}}} = 2^3$$

10 hours later

$$10 \text{ hours} = 60 \times 10 = 600 \text{ min}$$

$$N = 2^{\frac{600 \text{ min}}{200 \text{ min}}} = 2^3 = 8$$