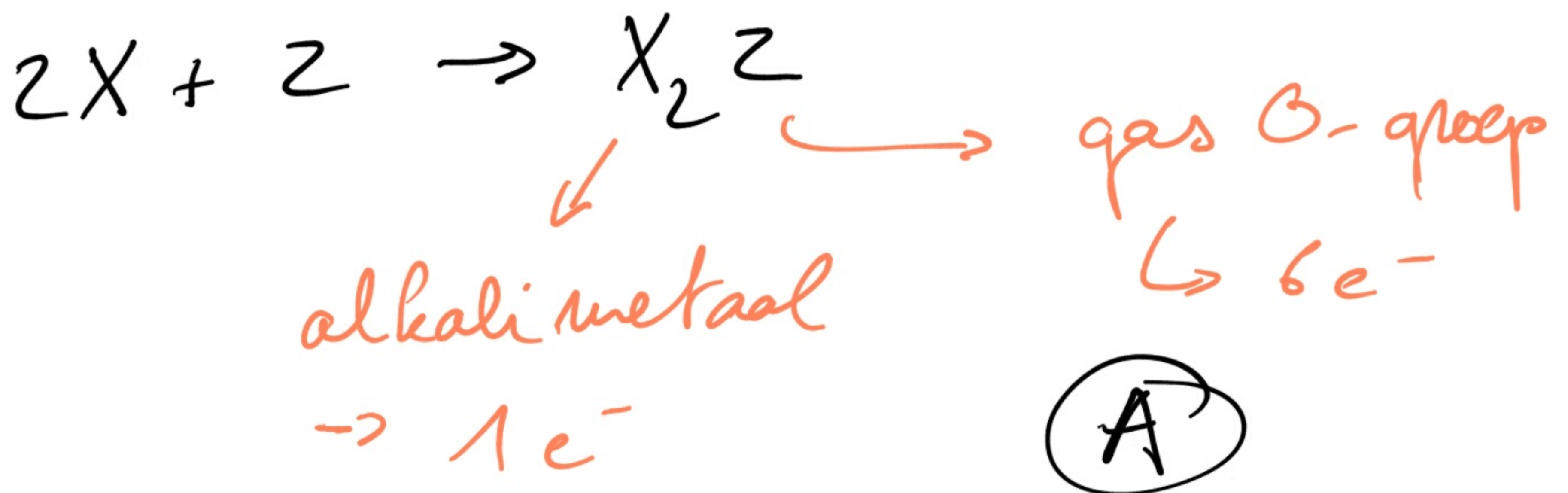


① Zouten van  $\text{NH}_4^+$  en  $\text{Na}^+$  zijn zeer goed oplosbaar.  $\rightarrow$  (A)

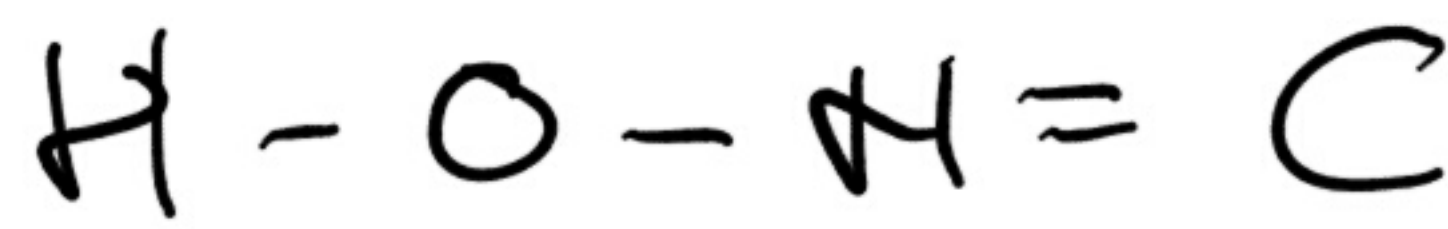
---

②  $X = \text{metaal} \rightarrow$  geleid stroom



③

H	1
O	2
N	3
C	4



$\nearrow$   
 $2e^-$  vrij!

(C)

---



④  $\text{NaHCO}_3$ :  $23 + 1 + 12 + 3 \cdot 16 = 84 \text{ g/mol}$

$\Rightarrow 42 \text{ g} \Rightarrow \frac{42 \text{ g}}{84 \text{ g/mol}} = \frac{1}{2} \text{ mol}$

$\left\{ \begin{array}{l} \text{out} \\ \text{boorde} \end{array} \right.$

26,5 g over

$\rightarrow$  bereken massa voor elke opl.



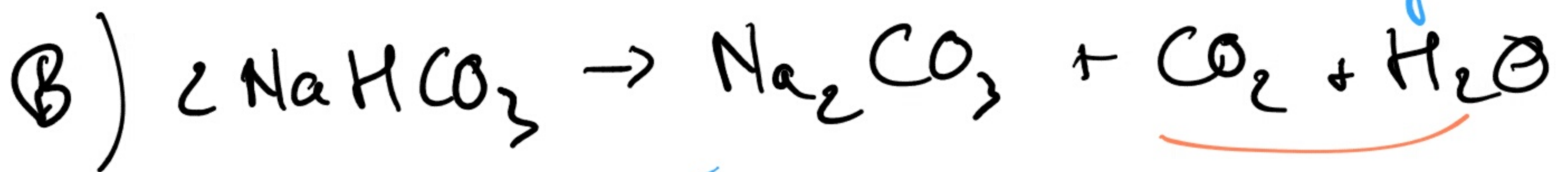
2  
1/2

1  
0,25

gas

$2 \cdot 23 + 16 = 62 \text{ g/mol}$

$m = 0,25 \cdot 62 = 15,5 \text{ g}$



2  
1/2

1  
0,25

gas

$2 \cdot 23 + 12 + 3 \cdot 16 = 106 \text{ g/mol}$

$m = 0,25 \cdot 106 = \underline{\underline{26,5 \text{ g}}}$

B



⑤ grafiek 15 m%  $\rightarrow f$

? massa KI opgelost in 500 ml  
vle 15 m% KI oplossing?

$\Rightarrow$  grafiek  $\rightarrow$  15 m%  $\Rightarrow f = 1,12 \text{ g/ml}$

$$m = f \cdot V = 1,12 \cdot 500 = 560 \text{ g}$$

$$\Rightarrow \underline{15 \text{ m\%}} = \frac{15}{100} \Rightarrow \frac{15}{100} \cdot 560 = 84 \text{ g}$$

$\hookrightarrow$  in de 560 g zit  
15% KI

Ⓒ

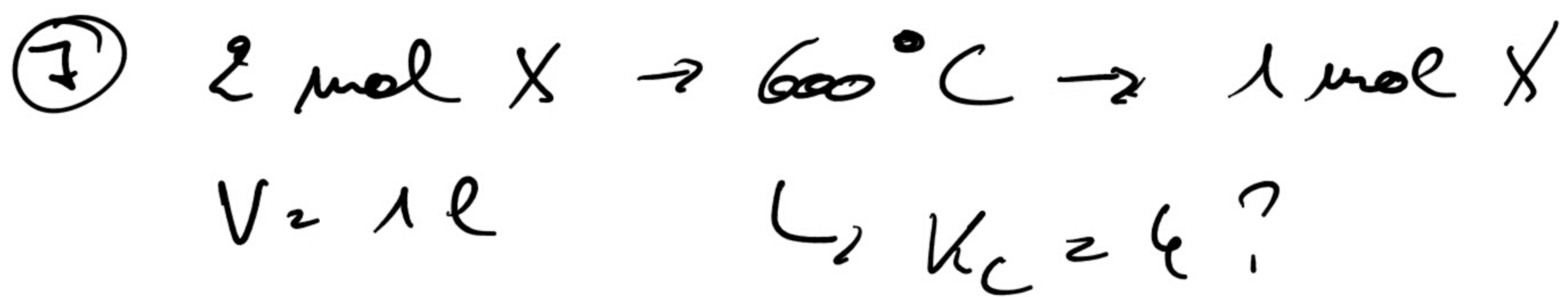


2      1      2      mol

$$-\frac{\Delta[\text{NO}_2]}{\Delta t} = -2 \frac{\Delta[\text{Cl}_2]}{\Delta t}$$

Ⓓ

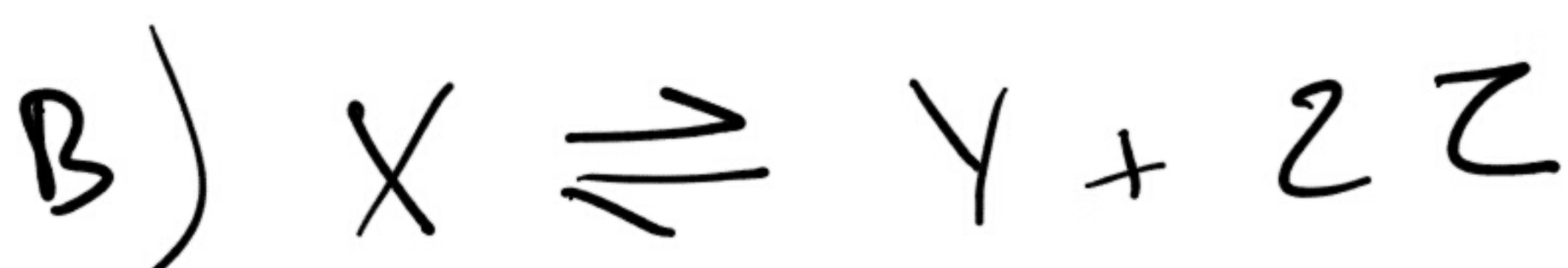




2  
^

0 0  
^ ^

$$K_c = \frac{1 \cdot 1}{1} = 1$$



2  
^

0 0  
^ 2

$$K_c = \frac{1 \cdot 2^2}{1} = 4$$

B

⑧  $n_{\text{HCl}} = V \cdot c = 0,1 \text{ l} \cdot 1 \frac{\text{mol}}{\text{l}} = 0,1 \text{ mol}$

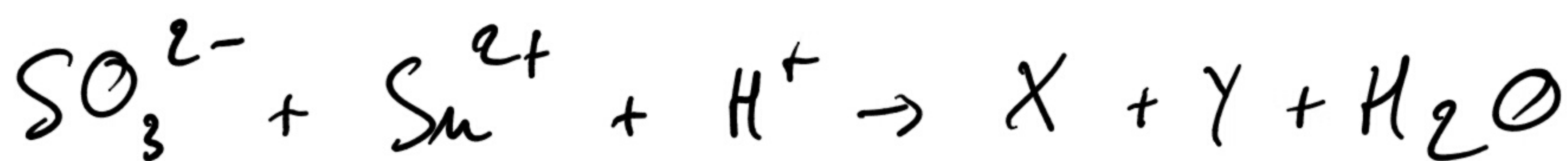
$n_{\text{NaOH}} = V \cdot c = 0,1 \text{ l} \cdot 1,5 \frac{\text{mol}}{\text{l}} = 0,15 \text{ mol}$

$\Rightarrow \text{pH} = 7 \rightarrow 0,15 - 0,1 = 0,05 \text{ mol zur \u00fcberschuss!}$   
 $\downarrow$   
 neutral

$V_{\text{HCl}} = \frac{n}{c} = \frac{0,05 \text{ mol}}{2 \frac{\text{mol}}{\text{l}}} = 0,025 \text{ l}$   
 $= 25 \text{ ml}$

B

①



Ⓐ

Ⓐ

Ⓐ

?