

baffra 1
 $\text{H}_3\text{C}-\text{CH}_3 + \text{O}_2 + 2\text{HCl} \rightarrow \text{H}_2\text{C}-\text{CH}_2 + 2\text{HCl}$ emprawie 1
 $\text{C}_2\text{H}_6 + \text{O}_2 + 2\text{HCl} \rightarrow \text{C}_2\text{H}_4\text{Cl}_2 + 2\text{HCl}$

$$\eta = 77\% \quad n(\text{C}_2\text{H}_4\text{Cl}_2) = \frac{1000_2}{(2 \cdot 12 + 4 + 7 \cdot 1)} \text{ g/mol} = 10,1 \text{ mol} -$$

- Hypothese $\Rightarrow n_{\text{reap}} = \frac{10,1 \text{ mol}}{0,1 \text{ mol}} = 100,1 \text{ mol} \Rightarrow$

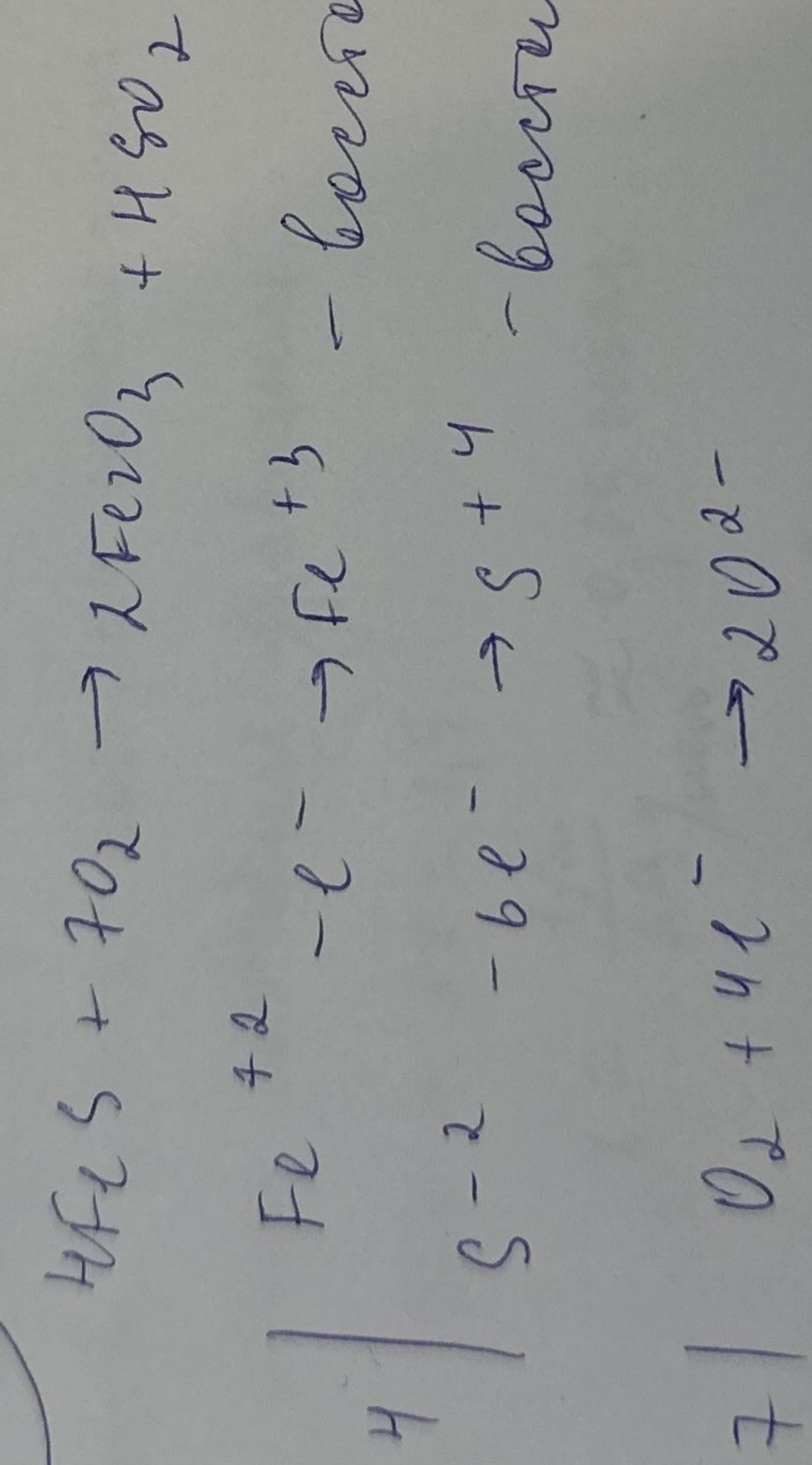
$$\Rightarrow m(\text{C}_2\text{H}_6) = 13,12 \cdot (24 + 6) = 393,552$$

$$m(\text{HCl}) = 2 \cdot 13,12 \cdot 36,5 = 957,1762$$

$$\text{Differenz: } m(\text{C}_2\text{H}_6) = 393,552; \quad m(\text{HCl}) = 957,1762$$

baffra 5

FeS

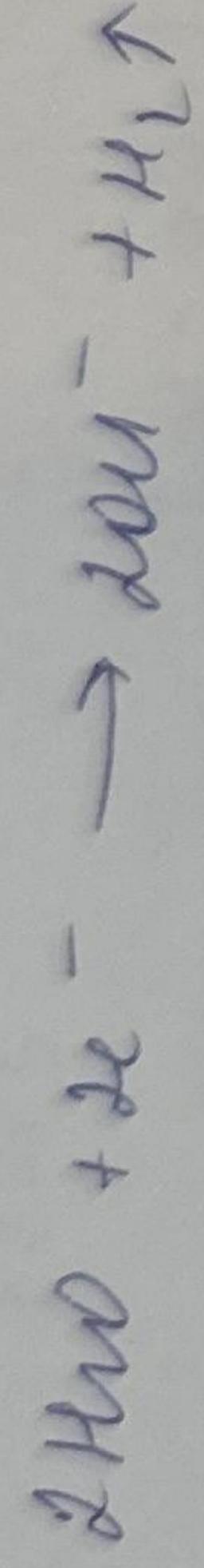
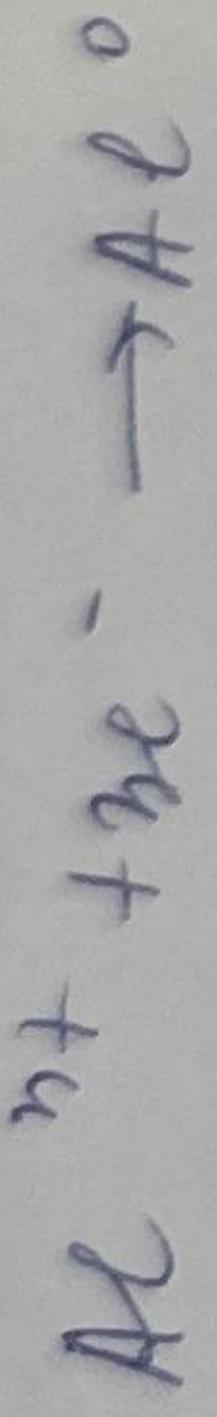


Prinzipiell beständigeren ist Fe^{+2} u. weniger
 (Fe^{+3})

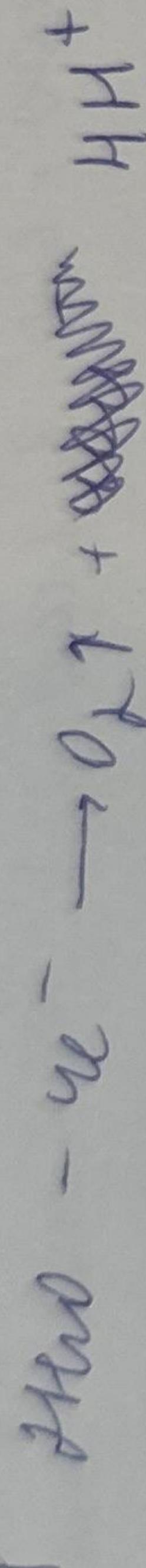
Sopara 2

Yphaburme
hydrogen
mye:

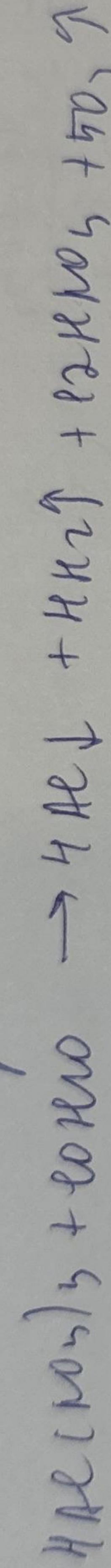
Kang:



Ansg:



Cymagnumi mye:



Na vortige borgeneue ammenem i borgene i m.e. m.t il
bayerika waer koptaxx ectubneum 1,52, myeux ux wort bengest
 $= X$, waer ectubneum yphaburme:

$$27X + 2X = 1,5$$

$$X = \frac{1,5}{29} \approx 0,05 \text{ men}$$

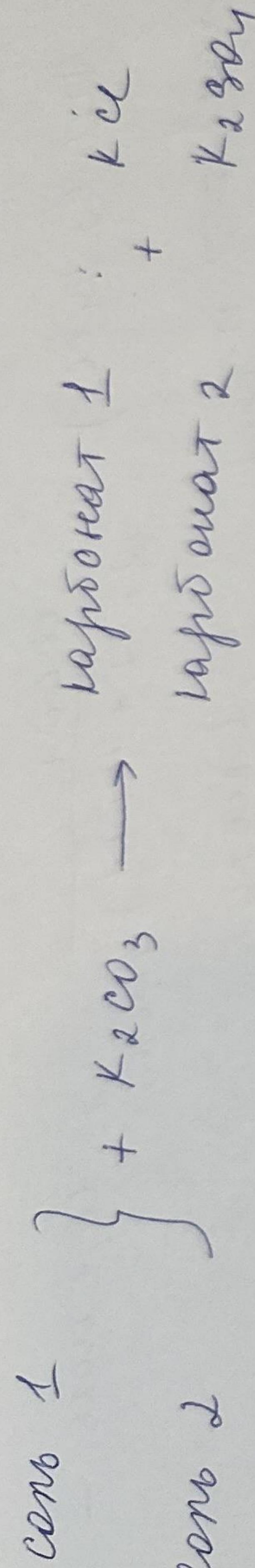
Undrenno koptaxx ammenem Dano: $n = \frac{w,52}{27 + 3(14 + 48)} = 0,05 \text{ men} \Rightarrow$ best koptaxx ammenem huer
Thentphony $\Rightarrow n(\text{men})$, β hueruen perslope $= 0^\circ / \text{o}$

Ompracaze 2

Yphaburme hydrogeni mye:

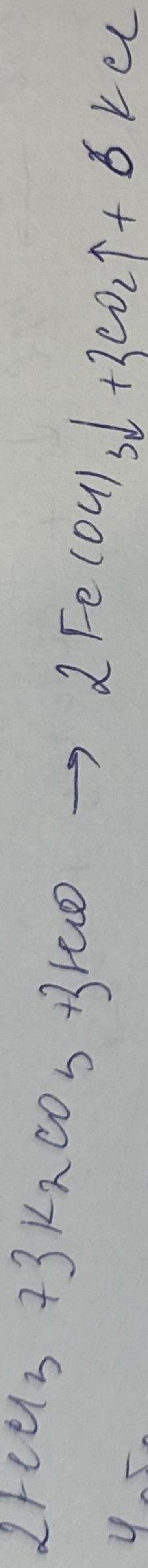
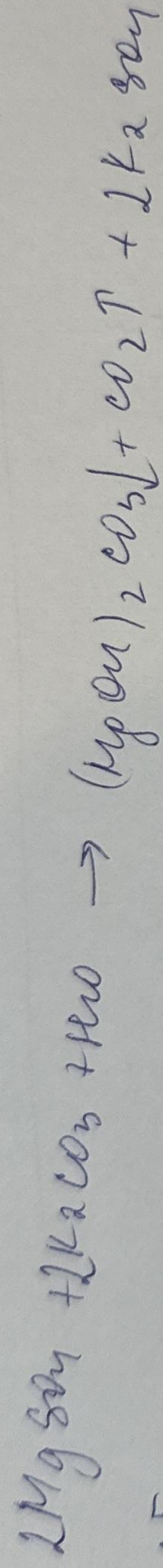
Sulfur 3

Compounds 3



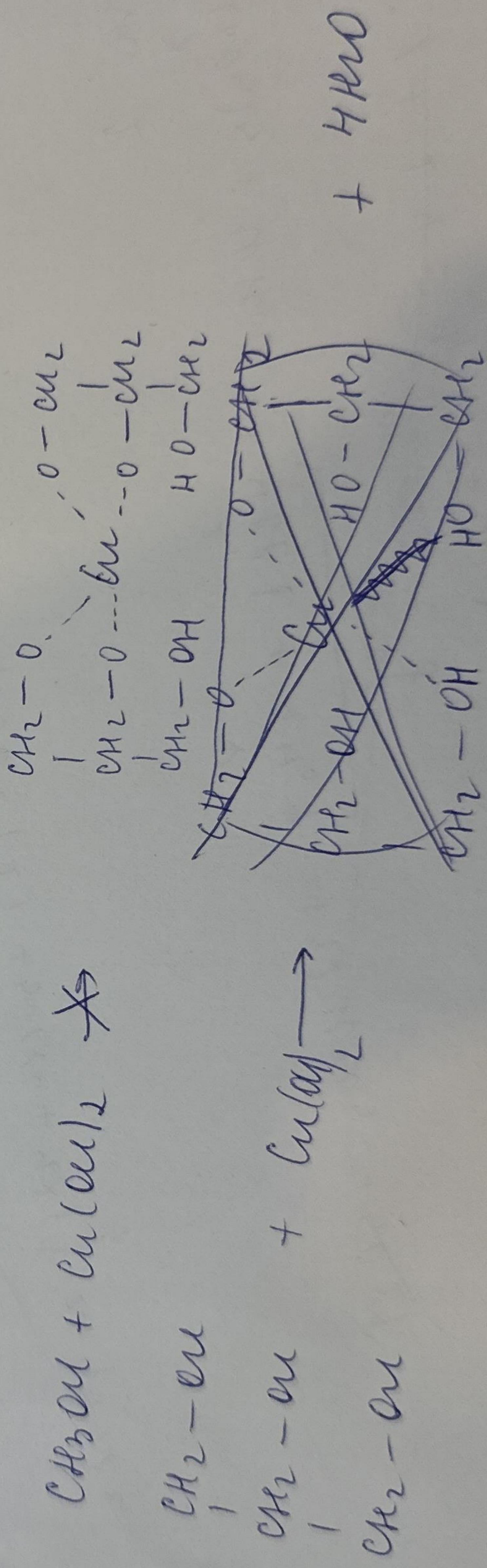
Mary mornovii coonal cheese.
MgSO₄, FeCl₃

Copolyr of pyrenes are the precursors of humic acids
humic acids

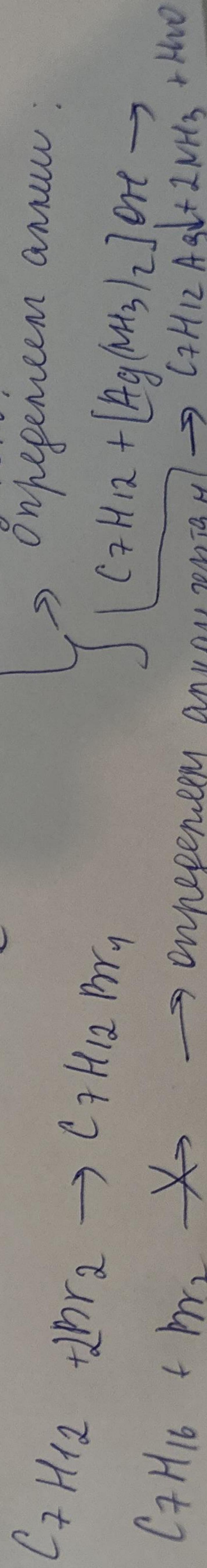
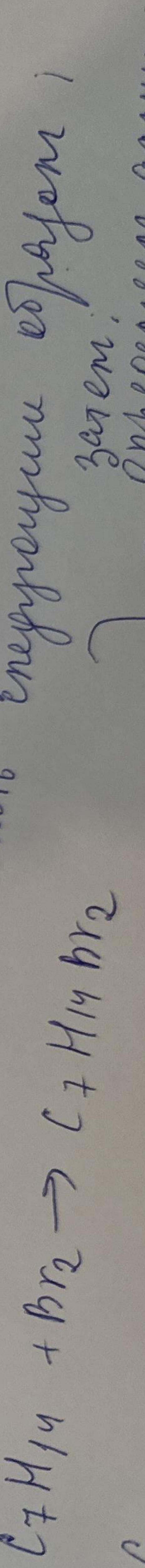


Yellow bisulfates
precursors
magenta
to brown
hazara 4

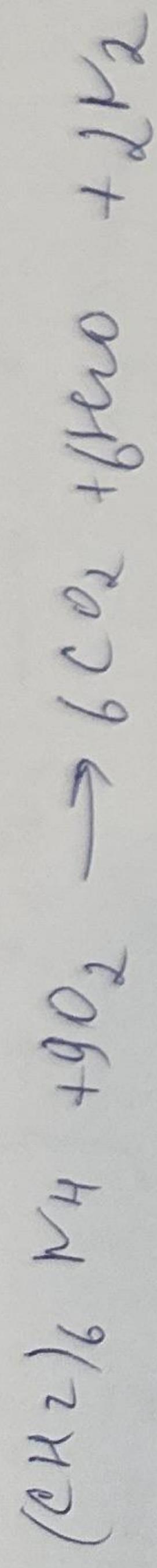
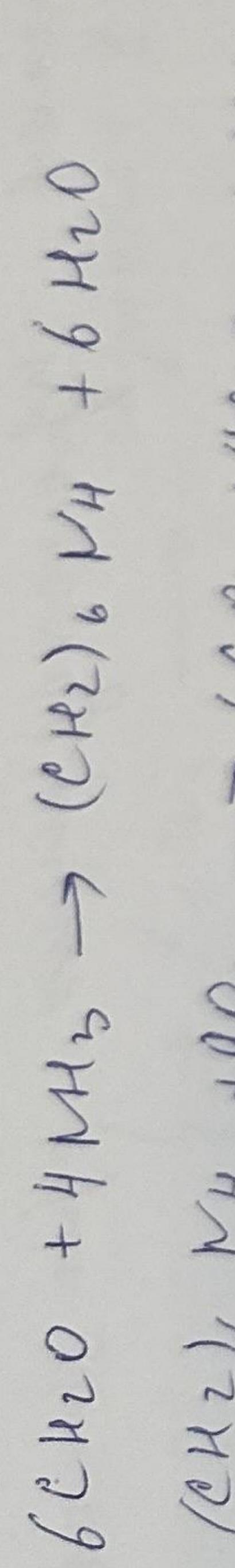
Metavan
magenta
metavan
color 4



Ynebogoppor
magenta
orange
C₇H₁₄ + Br₂ → C₇H₁₄Br₂



Sopra 7



$$q_{m_1} = \text{cm}_2 \Delta t$$

$$30,045 \cdot 10^6 \cdot m_1 = 24000 \cdot v \cdot p (100 - 10)$$

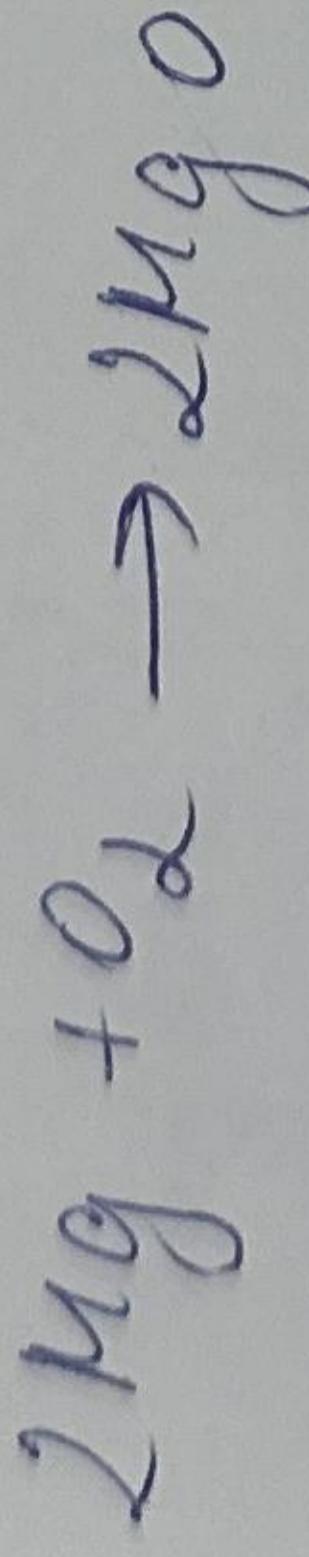
$$30,045 \cdot 10^6 \cdot m_1 = 4200 \cdot 800 \cdot 1 (100 - 10)$$

$$m_1 = 10,0652 \Rightarrow$$

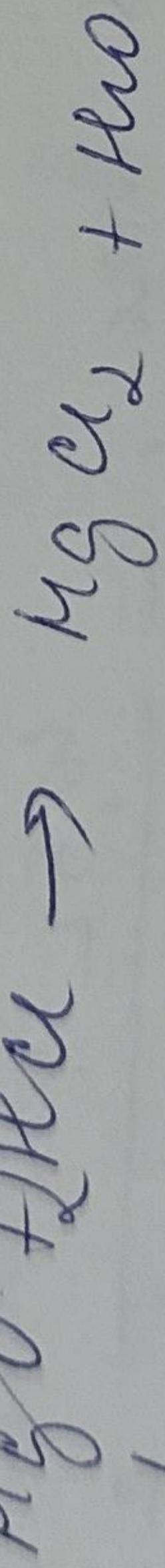
$$\Rightarrow \text{Volumen} = \frac{10,0652}{5,2} = 2$$

Umkehr: 2 das neue

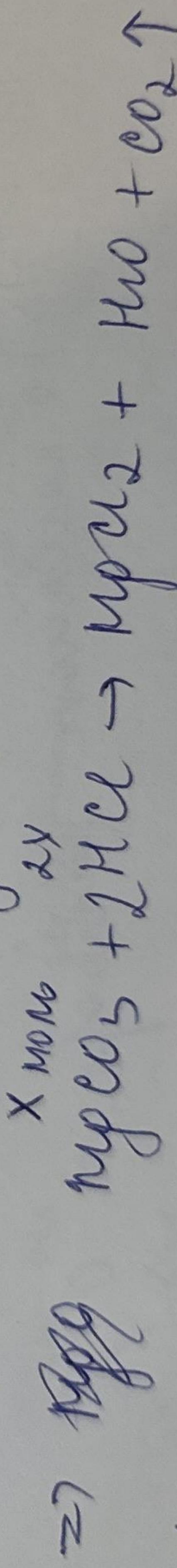
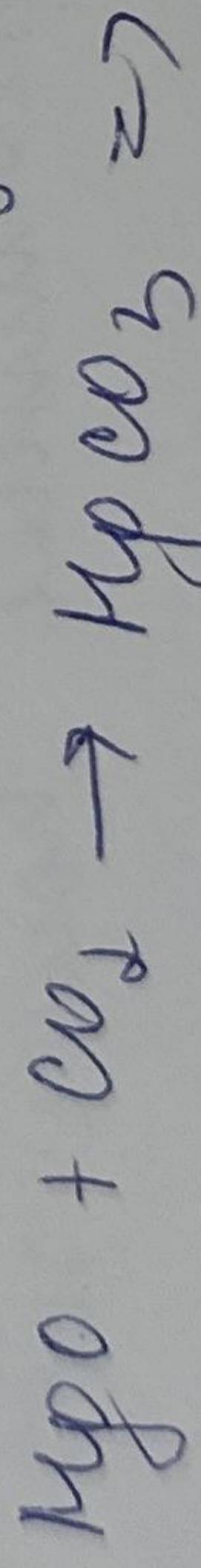
Sopra 6



$$n(\text{Mg}) = \frac{6^2}{2x^2} = 0,25 \text{ mol} \quad n(\text{MgO}) = \frac{0,05 \cdot 142}{36,5 \cdot 2} \approx 0,35 \text{ mol}$$



H_2O ! $\text{n}_\text{H}_2\text{O}$ konzentriert, $n_\text{H}_2\text{O}$ bilden nur y H_2O x CO_2



$$2(x+y) = 0,35 \text{ mol}, \text{ H}_2\text{O} \text{ & } \text{CO}_2 \text{ empor:$$

$x+y = 0,25 \text{ mol}$; honigzucker mit Wasserdampf, CO_2 ausgetrieben CO_2 bilden MgCO_3

$$\Rightarrow n(\text{MgO}) = 0,25 \cdot (24+71) = 25,75 \text{ mol}$$

$$m(\text{H}_2\text{O}) = 0,25 \cdot 18 = 4,5 \text{ g}$$

Umkehr: Sonne honigzucker MgCO_3 u H_2O bilden $23+5 = 28,5 \text{ g}$ es bei - umkehr.