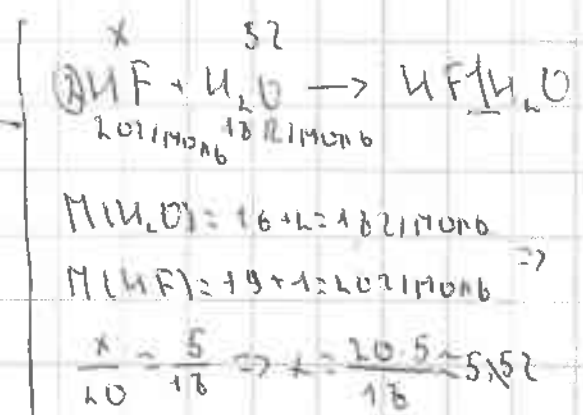
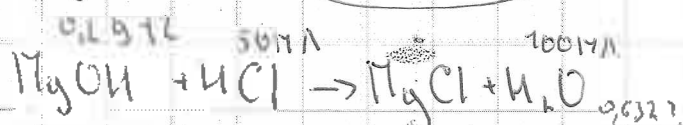


$\omega = \frac{m}{m_{H_2O}} \cdot 100\% \Rightarrow \omega_{HF} = 39,1\%$





$\omega = \frac{m_x}{m_{\text{сум}}} \cdot 100\% \Rightarrow \omega_{HCl} = \frac{70}{114} \cdot 100\% = 61\%$



$MgCl_2 + 2HCl \rightarrow MgCl_2 + H_2$   
 $MgCl_2 = 107 \text{ г/моль}$   
 $= 114 \text{ г/моль}$

