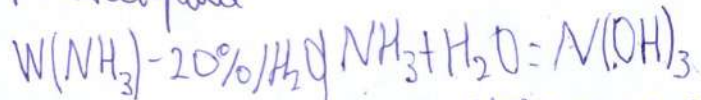


1-мәселе



$M_r(N(OH)_3) = 7 + 16 + 3 = 26$

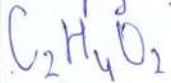
$m_{ep.g} - 80g$ $m_{ep.z} = \frac{W \cdot m_{ep.g}}{100\%} = \frac{20 \cdot 80g}{100\%} = 16g$ $m_{ep.w} = m_{ep.g} - m_{ep.z} = 80 - 16 = 64g$

$m_{ep.z} - ?$
 $m(H_2O) - ?$
 $N = 7e$ $O = 8e$ $H = 1e$

2.1.

$V = 20ml = 0,02l$

$m_{ep.z} = 3g$

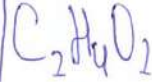


$M(C_2H_4O_2) = 2 \cdot 12 + 4 + 2 \cdot 16 = 60 \text{ г/моль}$

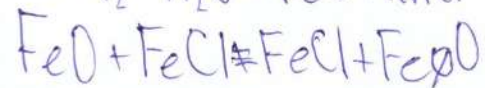
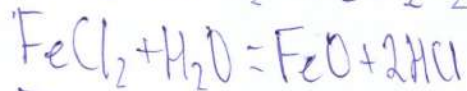
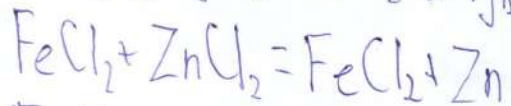
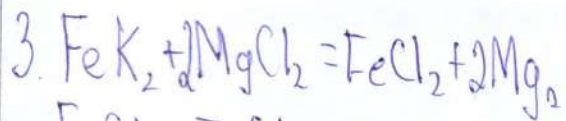
$n = \frac{m}{M_r} = \frac{3}{60} = 0,05 \text{ моль}$

$C = \frac{n}{V} = \frac{0,05}{0,02} = 2,5$

2.2



$\rho = \frac{m}{V} = \frac{3}{0,05} = 60 \text{ г/мл}$



4. X

A = Cu

B = Fe

C = CO₂