

Дано

$$M(\text{H}) = 272.$$

$U = 48 \text{ л} (20^\circ \text{C})$

$\gamma_{\text{мен}} = 13,7$

$\gamma_{\text{вен}} = 19,202$

$V_{25\%} = ?$

Решение.

$$x = \frac{M(\text{H})}{K_{\text{SO}_4} + K_{\text{SO}_4}} \cdot 25\%$$

$$x = \frac{27}{2,2 \cdot 20 + 431} \cdot 25 = \frac{27}{26,01} \cdot 25\% = 25,07$$

$$25,07 \cdot 1,185 = 27,987$$

Ответ: $V_{25\%} = 27,987 \text{ л}$

Задача 3

Дано

$$t = 300^\circ \text{C}$$

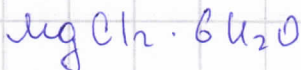
$$Am = 0,2912$$

Соль раствор = 500 г

$$U = 50 \text{ л}$$

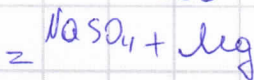
$m = ?$

Решение



$$m = \frac{M(\text{MgCl}_2 \cdot 6\text{H}_2\text{O})}{S_i \cdot C_{\text{SO}_4}} \cdot 100$$

$$m = \frac{300 + 0,2912}{500} \cdot 100 = \frac{300,2912}{500} \cdot 100 = 6,158$$



$$2n + R = U$$

Ответ: $m = 6,158$