

Jameson's Gannet.

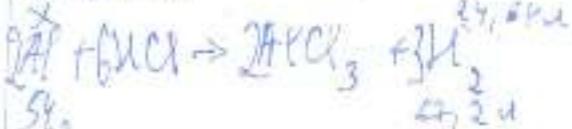
September

$$m = 22,800$$

$$= 24,640.$$

Y<sub>m</sub> 1.48 = 1

Ullrich



$$\lambda_1 = \frac{592 \cdot 24,64\text{ m}}{67,2\text{ m}} = 19,82(\text{A})$$

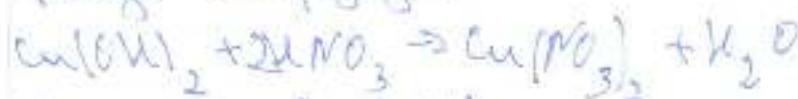
Visitors + 300

$$X = \frac{123,22 \cdot 25\%}{100\%} = 30,82 \text{,-} \quad \frac{30,82}{1,185} = 26 \text{,-}$$

2) Kursuz zam yap?

Keep your eye on the orange.

Б-законъ азъм зицунъ, дюсюпъ, дие кум-  
помъ мъжъ възъ азъм зицунъ дюсюпъ мъ  
дие въза мъжъ зицунъ зъмъ, дие зицунъ  
азъм зицунъ зицунъ зицунъ зицунъ зицунъ



Azomine - Cu(IV),

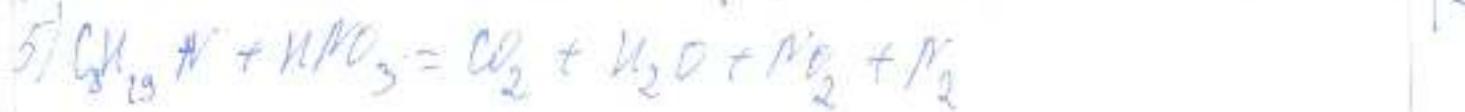
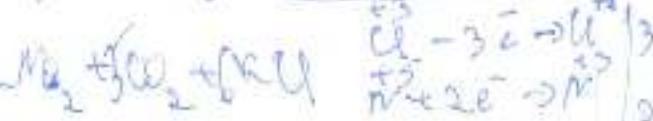
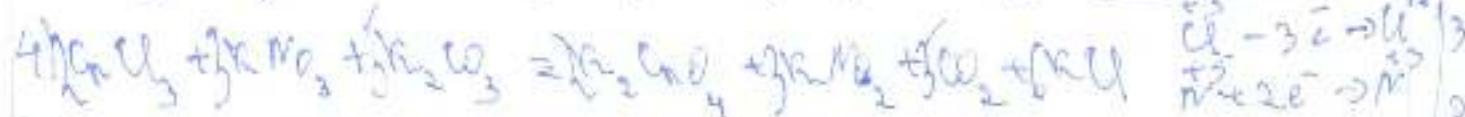
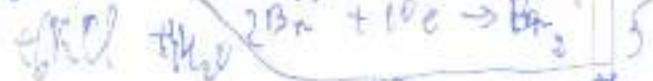
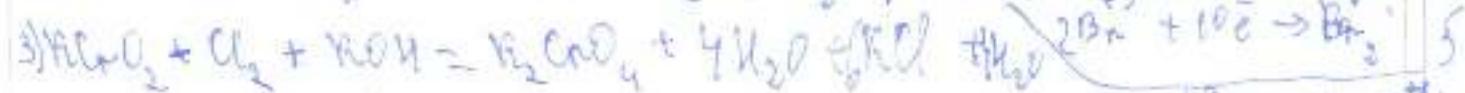
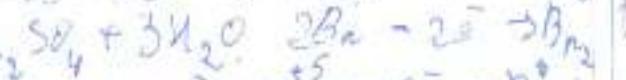
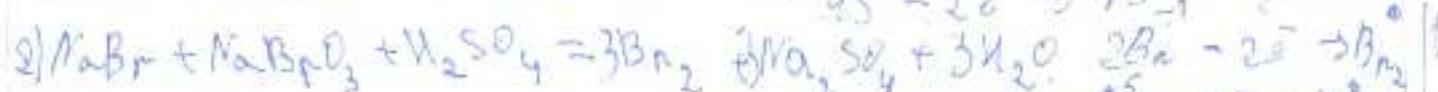
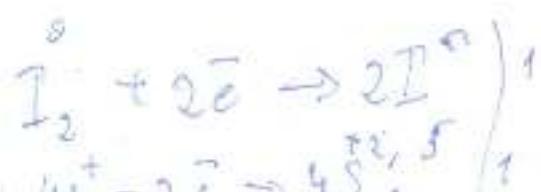
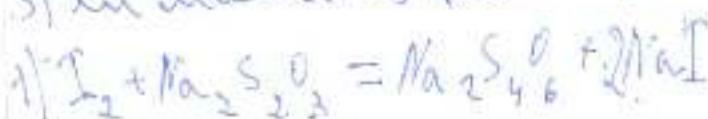
$\text{Fe}_2\text{O}_3$  +  $\text{ZnO}$  +  $\text{NO}_3^-$

B -zarnu -Cu(NO<sub>3</sub>)<sub>2</sub>

Реакция меншіктері:



3) Химиялық реакция



4) Биморфум.

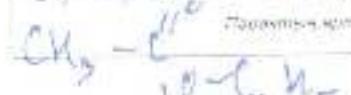
Би-морф

\* [Al(OH)<sub>4</sub>]

5) Бимергит соленитадо.



6) сирке тәннегінде



Паралық көтүсушілік шешімдердің Основнің шартын пістінде мәслихатта

Барасын аныктай.

## 1-mannose

$$1) 22,80z + 24,64x = 47,44 \text{ ..}$$

$$2) 8 + 1,185 \text{ y/mx} = 1,193$$

### 2-mancapita:

$$1) 4+6=10$$

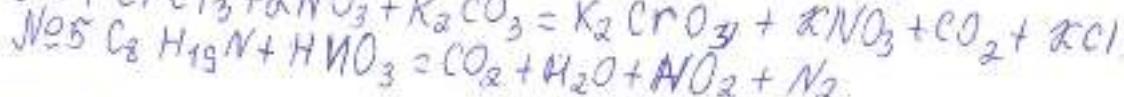
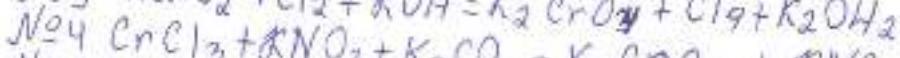
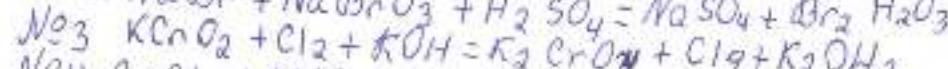
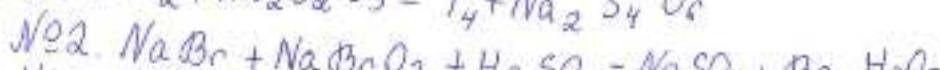
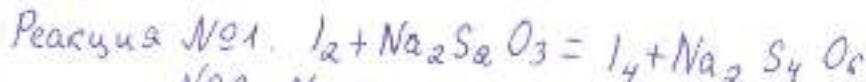
$$2) 0,0032 \text{yr}^{-1} = 1,0032 \text{kyr}^{-1}$$

$$3) 47,57 + 202 = 607,572$$

4) 1900 മേഡി

三

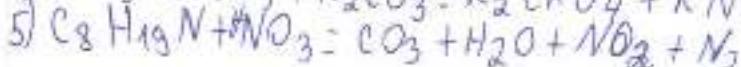
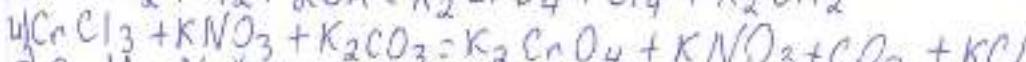
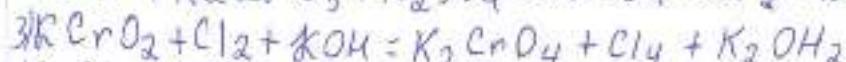
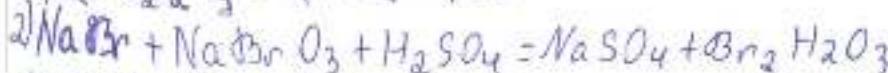
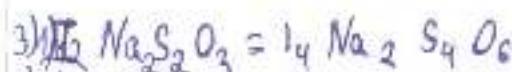
№3



4-мансарда:

$$16 \cdot 5,8 + 54,82 = 120,62$$

$$2) 50 \text{ мл} + 12,0 \text{ мл} = 62 \text{ мл}$$



Есеп №1. Заттар қосынды.

$$m(Al) = 22,80 \text{ г}$$

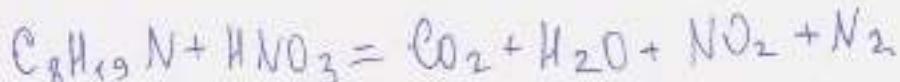
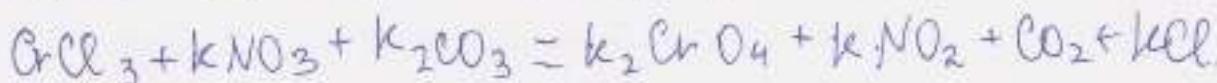
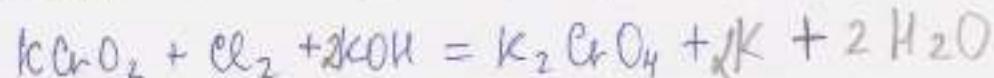
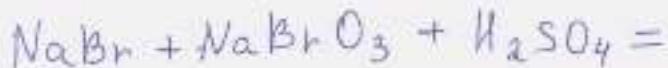
Шешім  
1.  $W =$

$$V(рг) = 24,64 \text{ см}^3$$

$$mW = ?$$

$$V = ?$$

Есеп №3 Үшіншік реакциялар.



Есеп №4. Биоматериалдар.

$$1) m(MgCl) = 100 \text{ г.}$$

$$W(Cl) = ?,$$

AKM AKM AKM

AKM AKM AKM

Катысушының шешімдерін толтыруға арналған айырмашылық / Поле для заполнения решениями участника

Парас / Страница № 2

Есеп № 2. Бейнісіз жеткізу

№ 1 Хамсауда мен Ашемова сұхбатынан онаудау

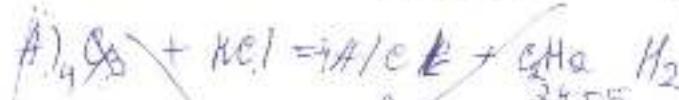
19.

$$n(\text{Al}) = 22,80 \text{ моль}$$

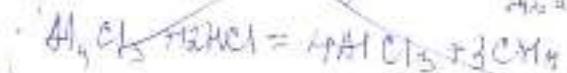
$$\sqrt{v} = \sqrt{22,80} = 24,64 \text{ моль}$$

~~$$2\text{Al} + 6\text{HCl} \rightarrow 2\text{AlCl}_3 + 3\text{H}_2$$~~

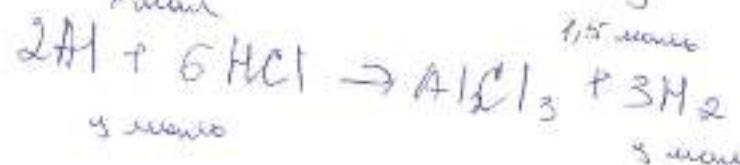
T.k. w(Me →)?



~~$$22,80 \text{ моль} \rightarrow 2\text{Al} \quad 24,64 \text{ моль}$$~~



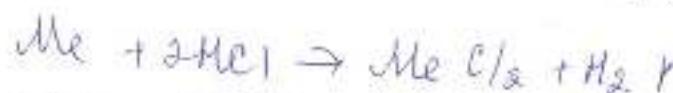
$$n(\text{Al}) = x \text{ моль} \quad n(\text{Me}) = y \text{ моль}$$



4 моль

1,5 моль

3 моль



$$n(\text{Me}) = \frac{24,64}{22,8} = 1,08 \text{ моль}$$

$$\left\{ \begin{array}{l} x = 1,25 \text{ моль} \\ 1,5x + y = 1,08 \end{array} \right.$$

$$1,5x + y = 1,08$$

$$1,5(1,25) + y = 1,08$$

$$1,875 + y = 1,08$$

$$1,875 = 1,08$$

$$y = 0,025, 0,25 \text{ моль}$$

$$y = 1,25 \cdot 0,25 = 0,3125 \text{ моль}$$

$$m(\text{Al}) = 27 \cdot 0,25 = 6,75 \text{ г.}$$

$$m(\text{Me}) = 22,8 - 6,75 = 16,05 \text{ г.}$$

$$w(\text{Me}) = \frac{16,05}{22,8} \cdot 100\% = 71,36\%$$

2) 2Al + 2KOH + 6H<sub>2</sub>O → 2K[Al(OH)<sub>4</sub>] + 3H<sub>2</sub>↑

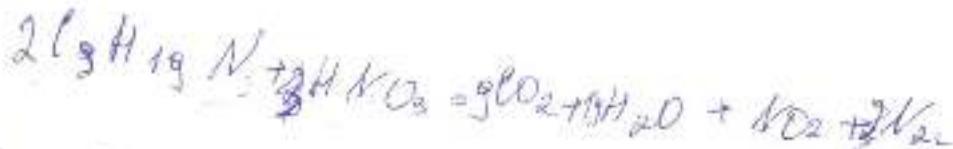
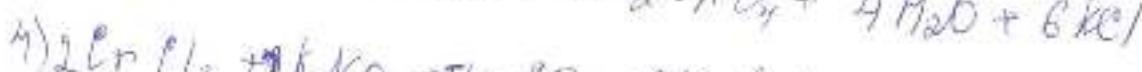
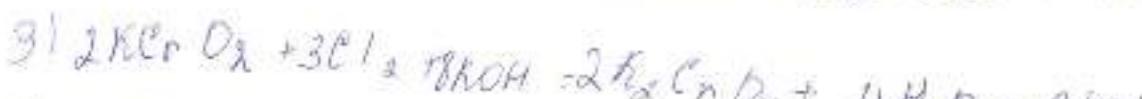
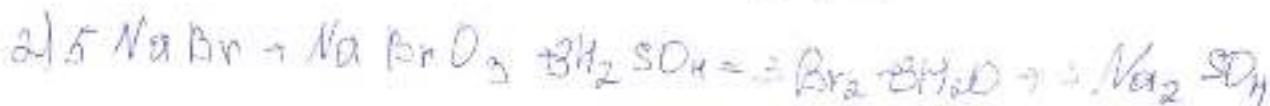
$$36,728 - 25\%$$

$$x = 600\%$$

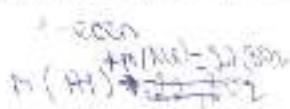
$$x = 107,07\% \text{ еримнеги}$$

$$V(KOH) = \frac{107,07 \cdot 21}{1,185} = 30,36 \text{ мл.}$$

143



11. 19



$$\text{V}(\text{H}_2) = 2 \times 22.4 \text{ л}$$

$$\text{Со}(\text{жидк}) = 2,5 \text{ г.}$$

$$\delta = 1,195 \text{ г/л}$$

$$G_0 = ?$$

$$V = ?$$

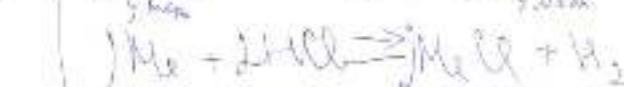
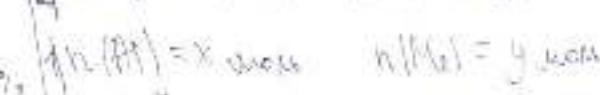
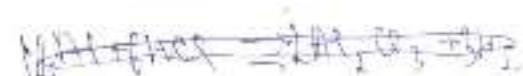
$$m(\text{H}_2O) = \frac{24,6 \text{ г}}{22,4 \text{ л}} = 1,1 \text{ моль}$$

~~$$x = 1,1 \times 0,333 = 0,366 \text{ моль}$$~~

$$m(\text{Al}) = 27 + 1,1 \times 27 = 38,7 \text{ г}$$

$$m(\text{Mg}) = 24,3 - 12,9 = 11,4 \text{ г}$$

$$\omega(\text{Mg}) = \frac{11,4}{24,3} \times 100\% = 46,33\%$$



$$1,1 (1,25 \text{ г}) \div 2 = 1,1$$

$$1,1 + 3y = 1,1$$

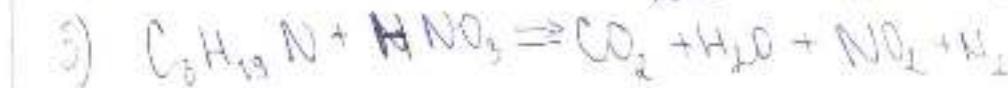
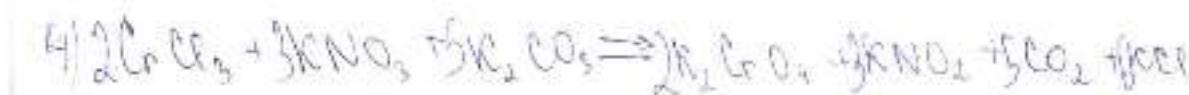
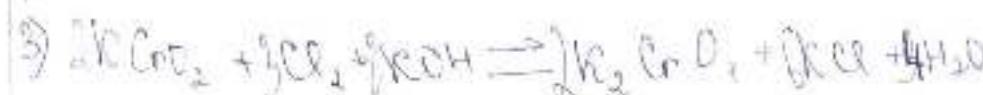
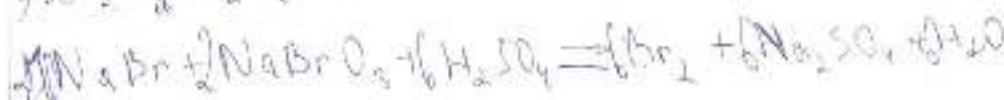
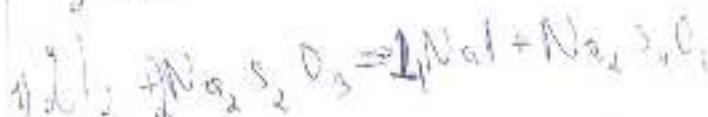
$$1,1 + 3 = 1,1$$

$$y = 0,333 \text{ моль}$$

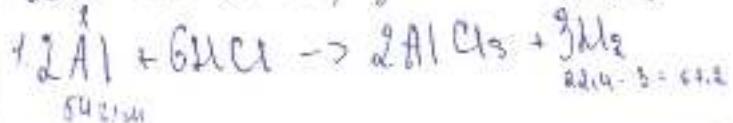
$$\text{бензин зат} = \text{Mg}$$



3)  $\text{CO}_2$



Беріл №3. Заммадар үсінінде  $\text{Al}_2\text{O}_3$



$$x = \frac{54 \cdot 27.2}{67.2} = 19.8$$

$$m_{\text{коэф}} = m(\text{Al}) + m(\text{H}_2)$$

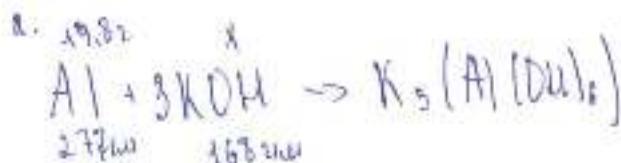
$$m(\text{H}_2) = m_{\text{коэф}} - m(\text{Al})$$

$$m(\text{H}_2) = 22.802 - 19.8 = 3.0$$

$$\omega = \frac{m_{\text{H}_2}}{m_{\text{весь}}} \cdot 100$$

$$\omega(\text{H}_2) = \frac{3.0}{22.802} \cdot 100 = 13.1\%$$

Жауап:  $\omega(\text{H}_2) = 13.1\%$



$$\Delta m(\text{KOH}) = \frac{19.82 \cdot 167.2}{27.2} = 123.2 \quad x = \frac{123.2 - 25\%}{100\%} = 95.8\%$$

$$m = \rho \cdot V \Rightarrow V = \frac{m}{\rho} = \frac{95.8}{1.185} = 81$$

Жауап:  $V(\text{KOH}) = 81$

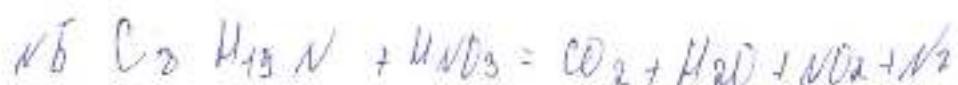
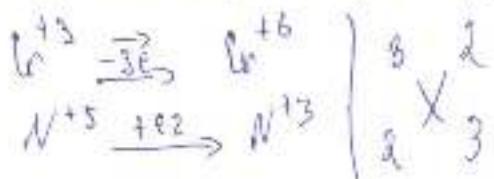
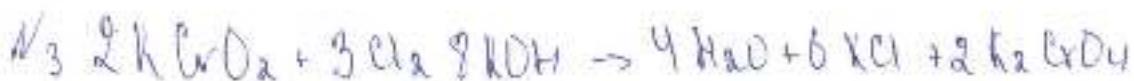
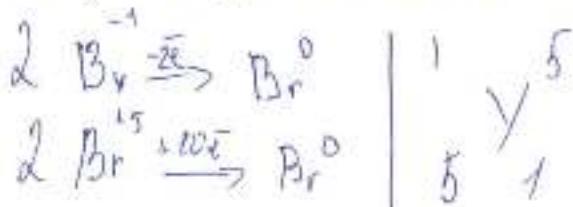
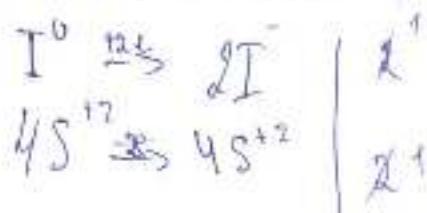
Беріл №2

1) А негизделген

$$M(\text{PBS}) = 207 + 92 = 299$$

$$\omega = \frac{207}{299} \cdot 100 = 69.3\%$$

$$\omega = \frac{92}{299} \cdot 100 = 30.7\%$$

*N<sub>3</sub> seen**N<sub>5</sub> seen*