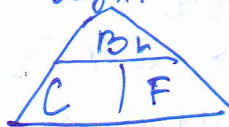
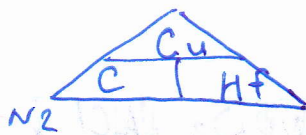


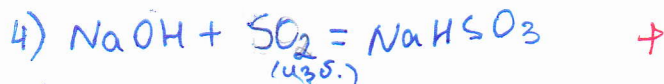
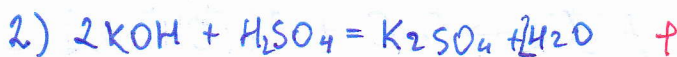
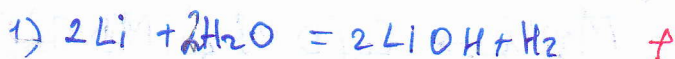
Омнимуса по х

N1

кампий, золото, возсых.



5.



4

Dano:

$m(\text{CuCu}) = 20 \text{ g}$
 $V(\text{ZnZn}) = 5,6 \text{ l}$
 $w(\text{Zn}) = ?$
 $w(\text{Cu}) = ?$

N4
 Решение



$m = n \cdot M$

$n = \frac{V}{V_m}$

$w = \frac{m(\text{вещ-ва})}{m(\text{рас-ва})}$

$n(\text{Zn}) = \frac{5,6 \text{ l}}{22,4 \text{ l}} = 0,25 \text{ моль}$

$m(\text{Zn}) = 65 \frac{\text{г}}{\text{моль}} \cdot 0,25 \text{ моль} = 16,25 \text{ г}$

$m(\text{Cu}) = 20 - 16,25 \text{ г} = 3,75 \text{ г}$

$w(\text{Zn}) = \frac{16,25 \text{ г}}{20 \text{ г}} = 81,25\%$

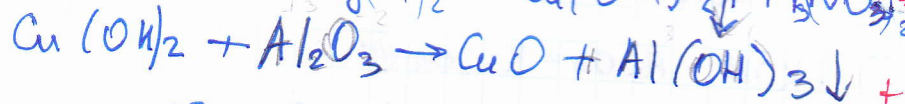
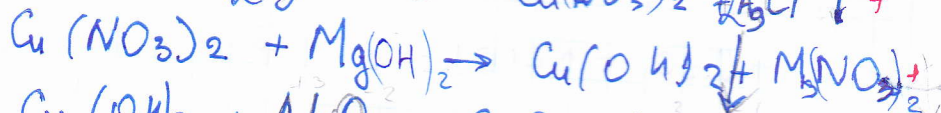
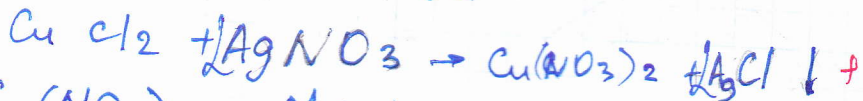
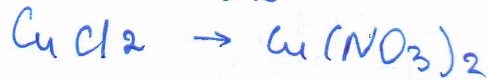
$w(\text{Cu}) = \frac{3,75 \text{ г}}{20 \text{ г}} = 18,75\%$

ответ: ~~0,2~~ 81,25% ; 18,75%

55

N5





N3.

Дано:

$$m(\text{кристаллогидрат}) = 14,5$$

$$m(\text{Na}_2\text{CO}_3) = 5,5$$

N3

Дано:

$$m(\text{кристаллогидрат}) = 14,52$$

$$m(\text{кристал. карбоната натрия}) = x + g_2$$

опорные

Решение

$$m(\text{Na}_2\text{CO}_3) = 14,52 - 92 = 5,52$$

$$n(\text{Na}_2\text{CO}_3) = \frac{m}{M} = \frac{5,52}{106 \text{ г/моль}} = 0,05 \text{ моль}$$

$$M(\text{Na}_2\text{CO}_3) = 23 \cdot 2 + 12 + 16 \cdot 3 = 106 \text{ г/моль}$$

$$n(\text{H}_2\text{O}) = \frac{9}{18} = 0,5 \text{ моль}$$

$$n = \frac{0,5 \text{ моль}}{0,05 \text{ моль}} = 10 \text{ моль}$$

Ответ: $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$

245

55.