

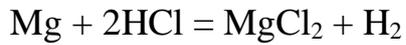


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1.

40 , 10 %

(.).



1. $40 - 40 \cdot 0,1 = 36$
2. $36 \sqrt{24} = 1,5$
3. 1,5
4. $1,5 \cdot 22,4 = 33,6$.

2 , 8 .

- 8

2.

4,8

(Na=6,02*10²³).

N () = 4,8/161 = 0,03 ,

0,12 .

 $0,12 \cdot 6,02 \cdot 10^{23} = 7 \cdot 10^{22}$.

2 , 6 .

- 6

3.

(II) FeSO₄ • 7H₂O.

1. FeSO₄ • 7H₂O - 152+126=278
 2. 7H₂O - 126
 3. $126 \sqrt{278} = 0,45 \cdot 100 = 45\%$
- 2 , 6 .
- 6

4.

(II). (Cu₂CO₃(OH)₂,

0,1 .

() , ,

0,1

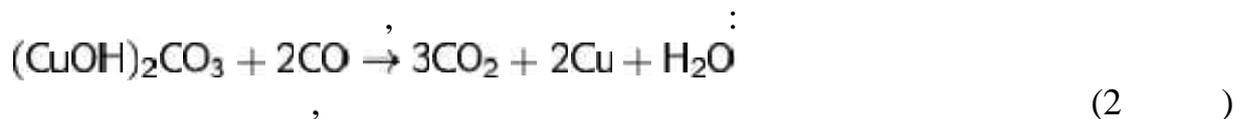


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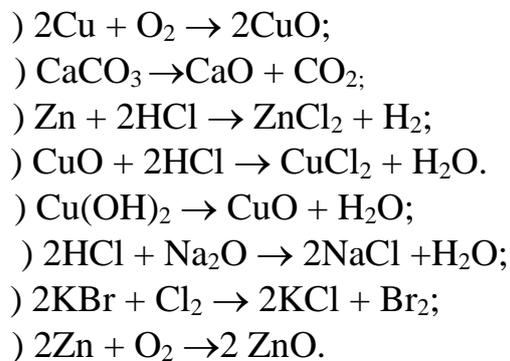
$$\begin{aligned}
 1) \quad n(\text{Cu}) &= 2 \cdot 0,1 = 0,2 \quad ; \\
 n() &= 1 \cdot 0,1 = 0,1 \quad ; \\
 n(\text{O}) &= 5 \cdot 0,1 = 0,5 \quad ; \\
 n(\text{H}) &= 2 \cdot 0,1 = 0,2 \quad . (4 \quad) \\
 2) & \\
 N &= N_A \cdot n, \quad N_A = 6,02 \cdot 10^{23} (\quad^{-1}). \\
 N(\text{Cu}) &= 6,02 \cdot 10^{23} \quad^{-1} \cdot 0,2 = 1,2 \cdot 10^{23}; \\
 N() &= 6,02 \cdot 10^{23} (\quad^{-1}) \cdot 0,1 = 0,6 \cdot 10^{23}; \\
 N(\text{O}) &= 6,02 \cdot 10^{23} (\quad^{-1}) \cdot 0,5 = 3,01 \cdot 10^{23}; \\
 N(\text{H}) &= 6,02 \cdot 10^{23} (\quad^{-1}) \cdot 0,2 = 1,2 \cdot 10^{23}; (4 \quad)
 \end{aligned}$$

$$\begin{aligned}
 3) \quad (\text{Cu}_2\text{CO}_3(\text{OH})_2) &= 222 \quad / \quad . \\
 (\text{Cu}) &= 128 : 222 = 0,576 \quad 57,7\%; \\
 () &= 12 : 222 = 0,054 \quad 5,4\%; \\
 () &= 80 : 222 = 0,36 \quad 36\%; \\
 () &= 2 : 222 = 0,009 \quad 0,9\%. (4 \quad) \\
 4. &
 \end{aligned}$$



- 16

5.



(1 \quad)

(1 \quad), \quad 16 \quad .

- 16



7-8

3 .

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1. NaCl, HCl, Na₂SO₄, Cu₂(OH)₂CO₃ (
Cu₂(OH)₂CO₃ HCl)

2. KBr, BaI₂, AgNO₃, HCl (*AgNO₃ HCl;*
AgNO₃ BaI₂)

3. KHCO₃, Ba(NO₃)₂, H₂SO₄, HCl, FeCl₃ (*Ba(NO₃)₂ H₂SO₄;*
KHCO₃ HCl; (III)
8).

- 12 (

4

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