

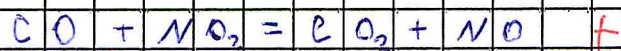
9 класс

Шифр X-9-19

№ 1

1) X - C  
Y - N  
Z - O

(1)



2) X - ~~Ca~~ Na  
Y - ~~Mg~~ Al  
Z - ~~Si~~ Fe

A - ~~CaO~~ Na<sub>2</sub>O  
B - ~~MgO~~ Al<sub>2</sub>O<sub>3</sub>  
C - ~~MgO~~ MnO  
D - ~~SiO<sub>2</sub>~~ Fe<sub>2</sub>O<sub>3</sub>

$W_O = \frac{M(O)}{M(MnO)} \cdot 100\% = \frac{16}{40} \cdot 100\% = 40\%$

3) X - ~~Ca~~ P  
Y - ~~Mg~~ S + 2  
Z - ~~Si~~ Cl

4) X - ~~B~~ Be  
Y - ~~Al~~ Al  
Z - ~~Si~~ Ge

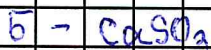
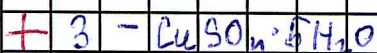
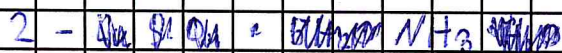
№ 2

1 - 6  
2 - мет.  
3 - 5,5  
4 - 10,0  
5 - 7  

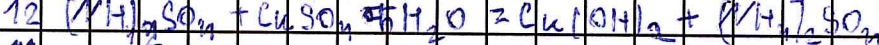
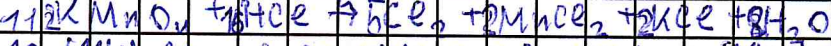
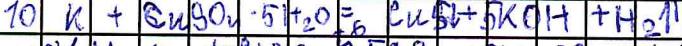
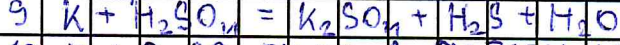
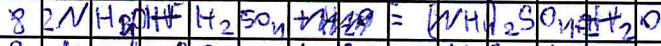
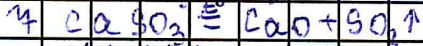
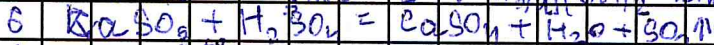
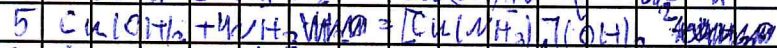
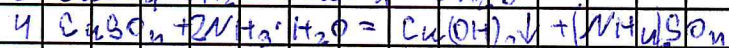
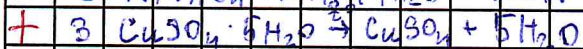
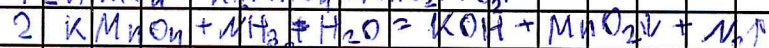
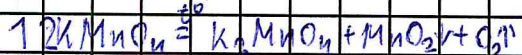
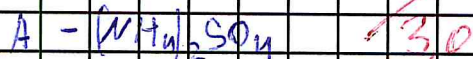
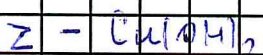
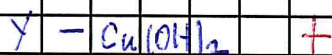
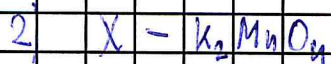
---

Σ = 28,5

113



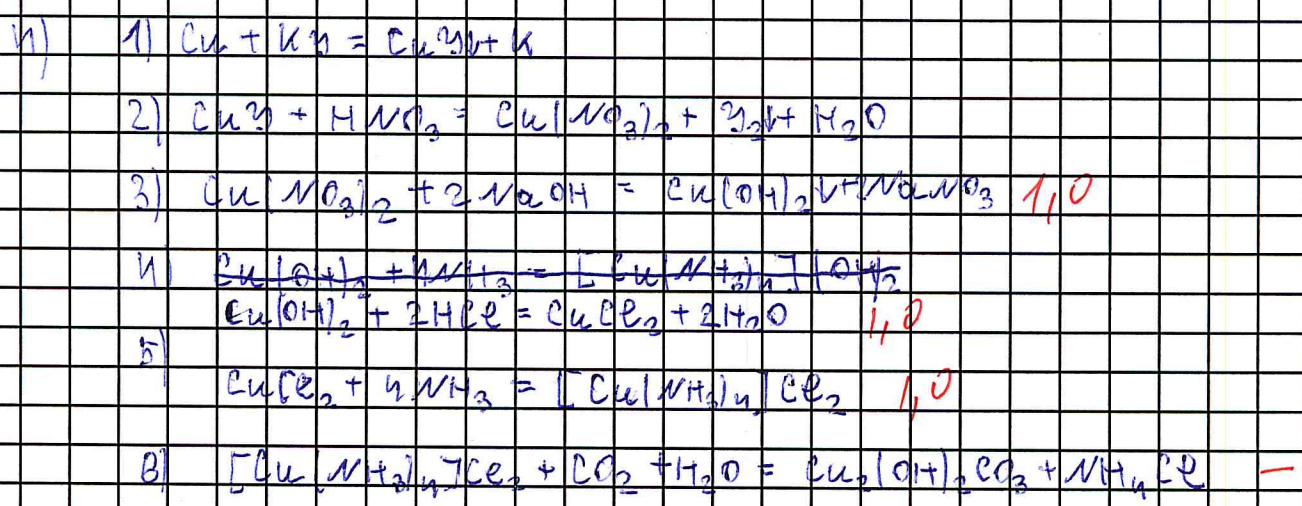
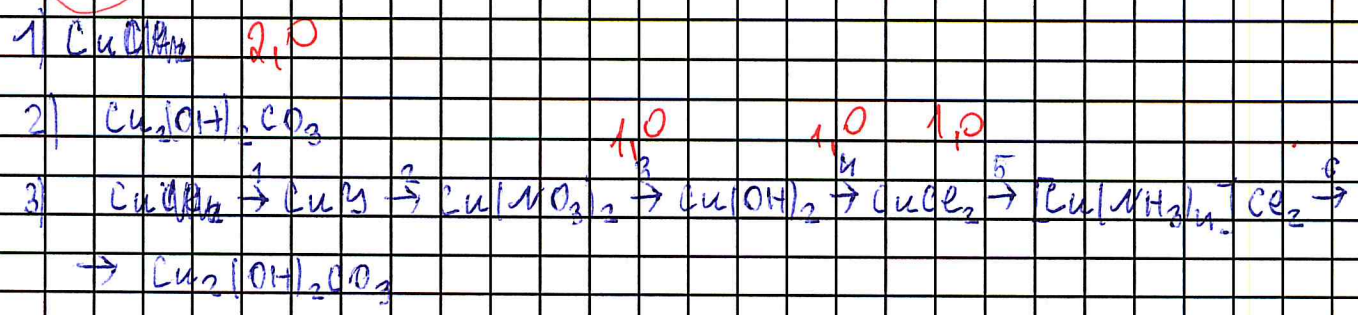
2,0



0,5

$\Sigma = 5,5$

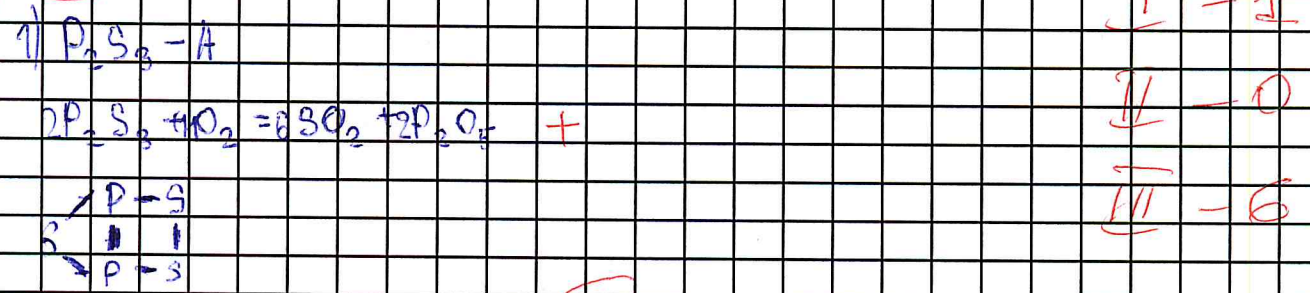
№4



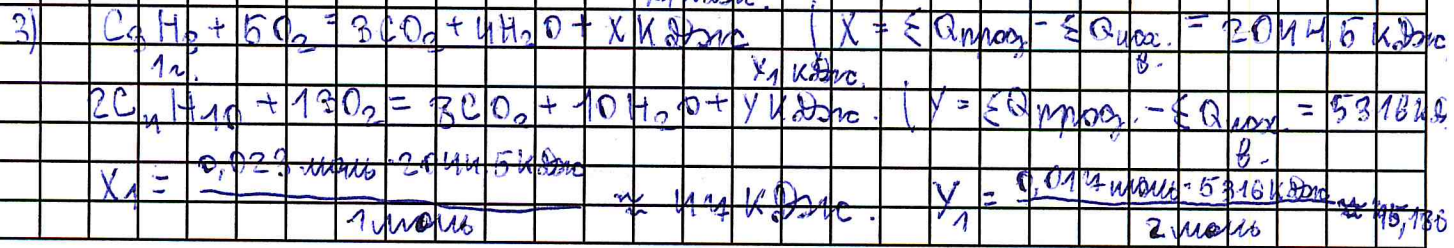
б) В молекуле А, м.к.  $CuCl_2$  (4);  $NH_4Cl$  (6);  $H_2O$  (2) - молекулярные соединения, а  $KCl$  (1);  $NH_3$  (5) - элементная 2,0

$m = \frac{1 \text{ кг}}{0,675} = 1,48 \text{ кг}$ , м.к. вещества В, и в каждой молекуле 1 м.к. мо.г.

№5



$PV = \nu RT \Rightarrow \nu = \frac{PV}{RT} \approx 0,68 \text{ моль}$



м.к. соотношение  $4:3$ , число  $X_1$  количества молекул,  $X_2$   
 $Y_1$  количество молекул  $O_2$  и количество молекул

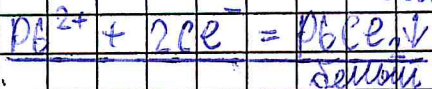
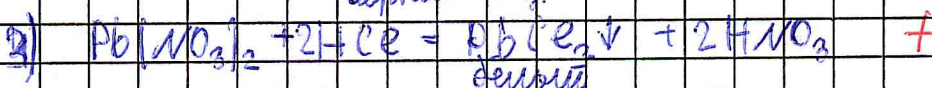
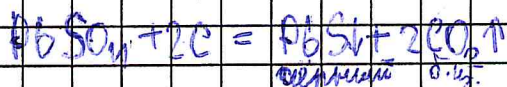
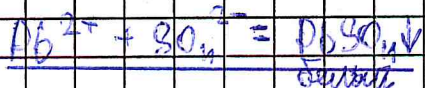
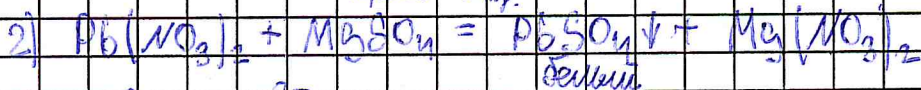
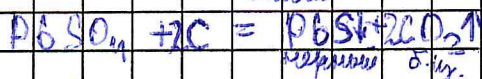
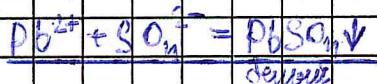
$$32,0 + 13,5558 = 45,5558$$

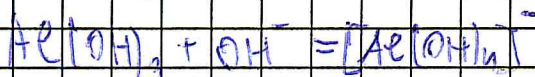
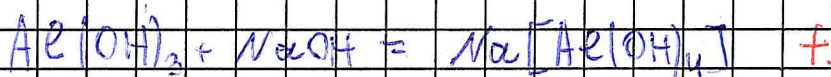
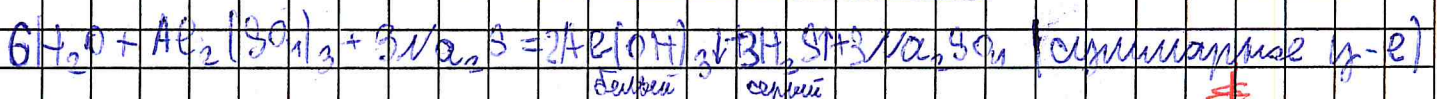
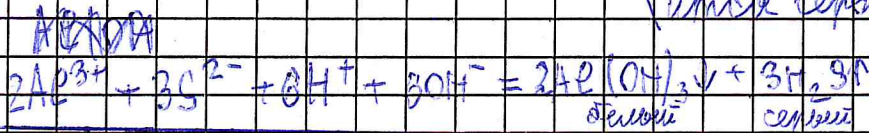
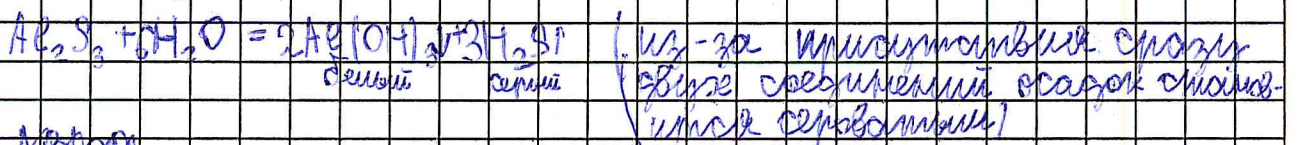
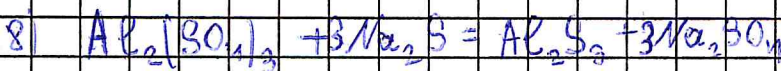
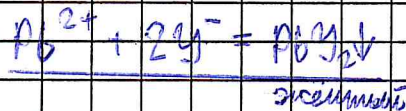
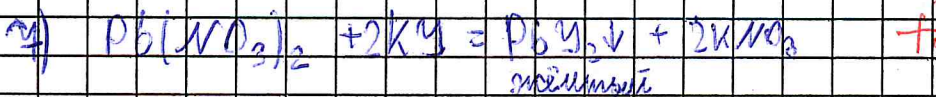
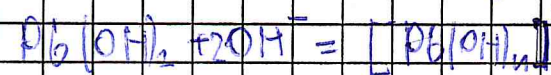
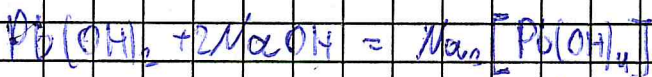
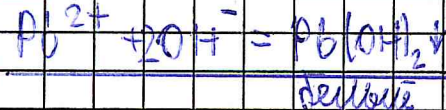
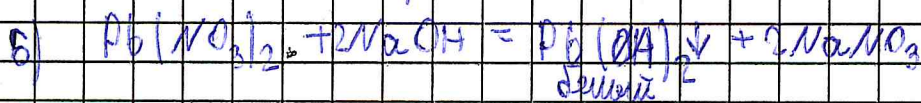
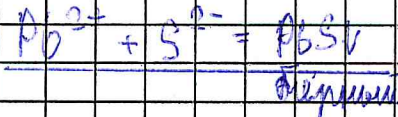
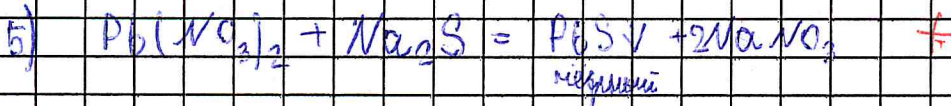
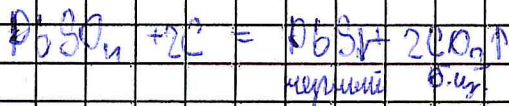
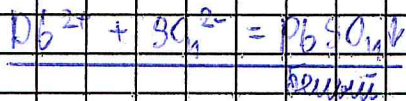
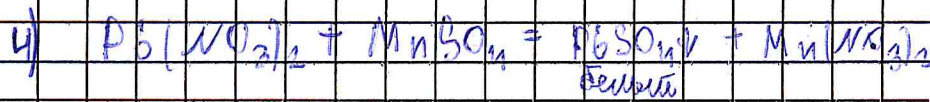
$$45,5558 : 4,4 \approx 10,4$$

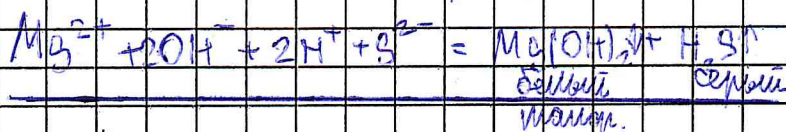
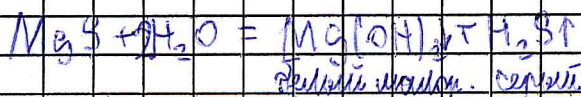
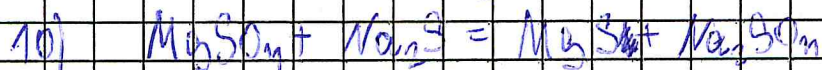
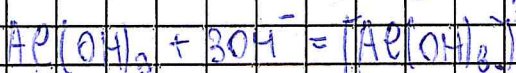
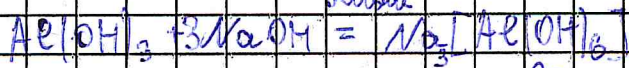
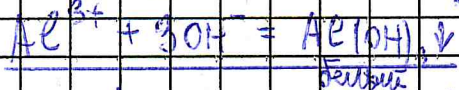
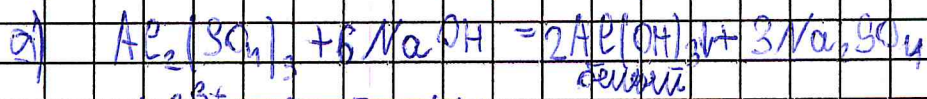


	1	2	3	4	5	6	7	8
1	-	1 белый ↓	2 белый ↓	3 белый ↓	4 белый ↓	5 черн ↓	6 бел., помн. в изд. мг. ↓	7 бел., помн. в изд. мг. ↓
2	белый ↓	-	-	-	-	8 белый ↓	9 бел., помн. в изд. мг. ↓	-
3	белый ↓	-	-	-	-	10 белый ↓	11 белый ↓	-
4	белый ↓	-	-	-	-	12 белый ↑	-	-
5	белый ↓	-	-	-	-	13 белый ↓	14 бел., помн. в изд. мг. ↓	-
6	черн ↓	белый ↓	белый ↓	белый ↑	белый ↓	-	-	-
7	бел., помн. в изд. мг. ↓	бел., помн. в изд. мг. ↓	белый ↓	-	белый ↓	-	-	-
8	белый ↓	-	-	-	-	-	-	-

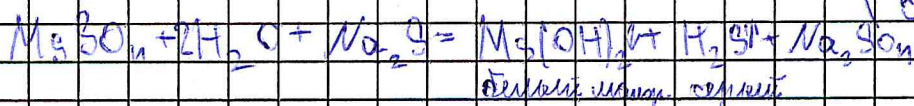
Задача 2.



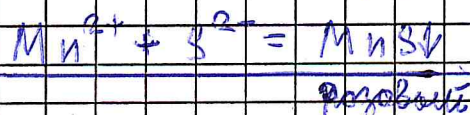
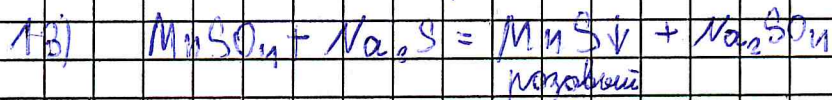
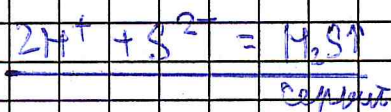
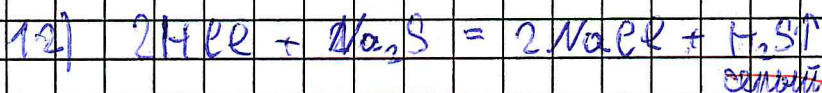
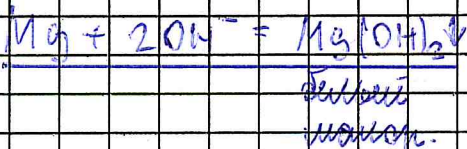
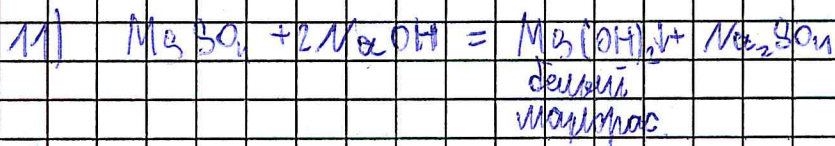




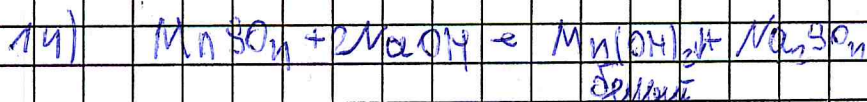
из-за большого количества воды образуются незначительные количества гидроксида серы



из-за большого количества воды образуются незначительные количества гидроксида серы



10





задание 3

пробирка 1 -  $Pb(NO_3)_2$  +

пробирка 2 -  $Al_2(SO_4)_3$  +

пробирка 3 -  $MgSO_4$  +

пробирка 4 -  $HCl$  +

пробирка 5 -  $MnSO_4$  +

пробирка 6 -  $Na_2S$  +

пробирка 7 -  $NaOH$  +

пробирка 8 -  $K_2CO_3$  +

16