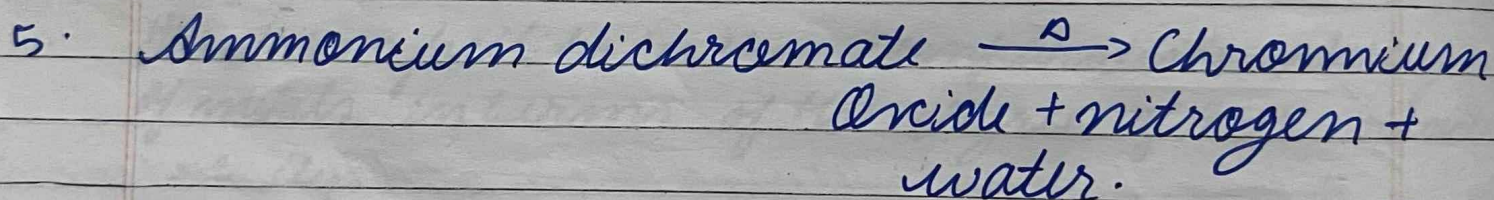
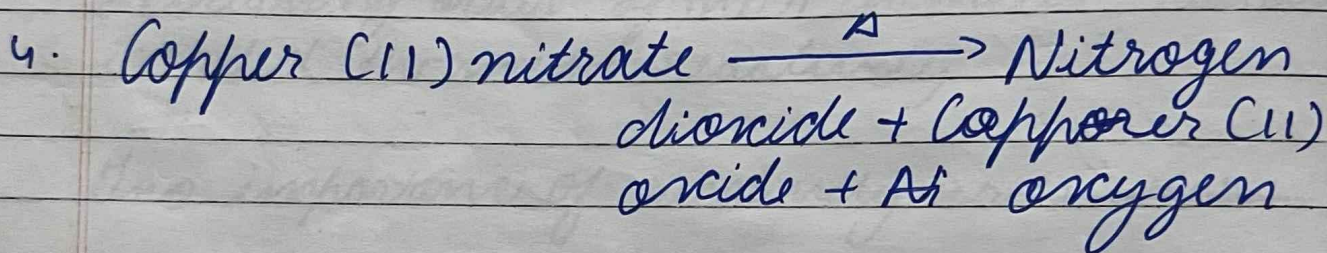
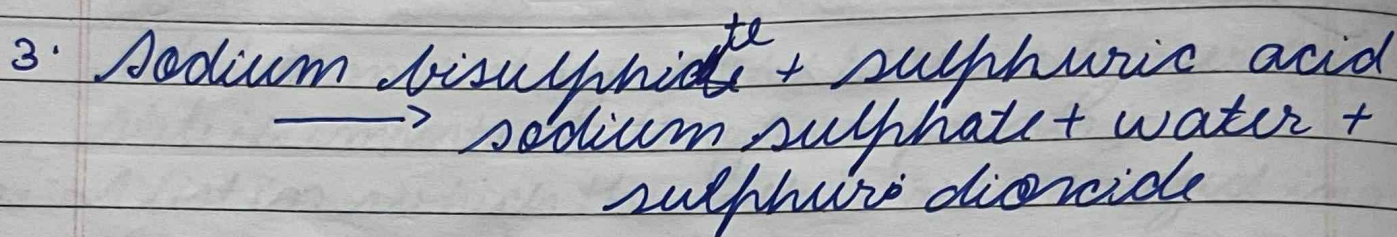
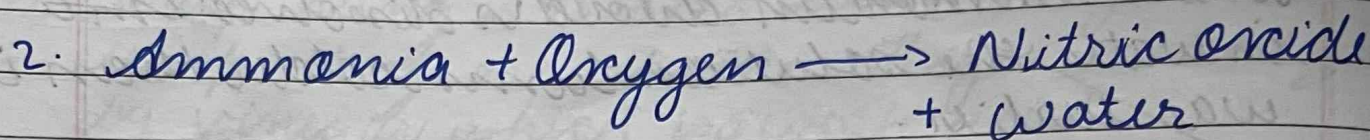
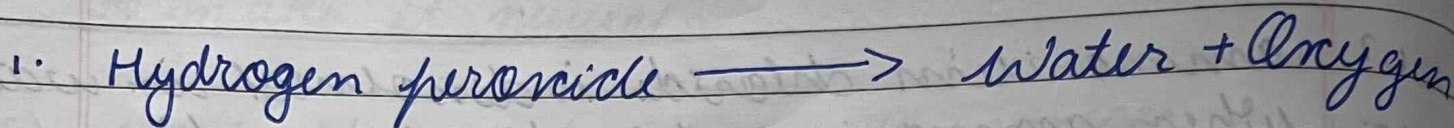
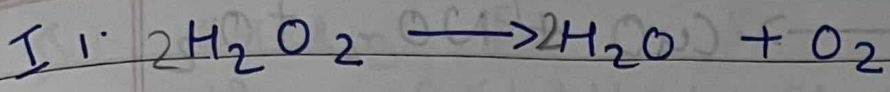


I. Balance the following chemical equation.



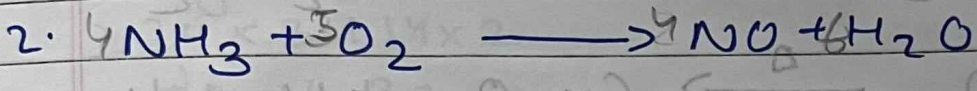
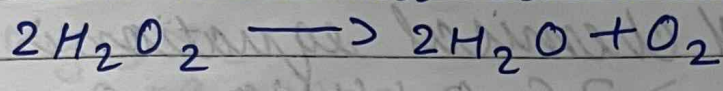
II. Calculate the relative molecular mass of.

	ATOMIC MASS	
1. CHCl_3	C = 12	Na = 23
2. Mg_3N_2	H = 1	N = 14
3. CH_3COONa	Cl = 35.5	O = 16
	Mg = 24	



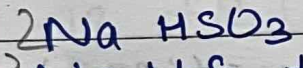
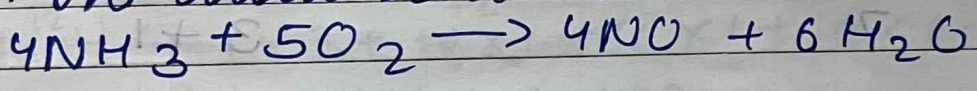
H	2 × 4	2 × 4
O	2 × 4	2 × 2 + 2

∴ The balanced chemical equation is



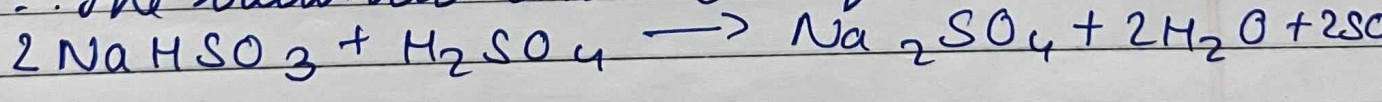
N	4 × 4	4 × 4
H	3 × 12	2 × 12
O	2 × 10	4 × 2 + 6 × 1

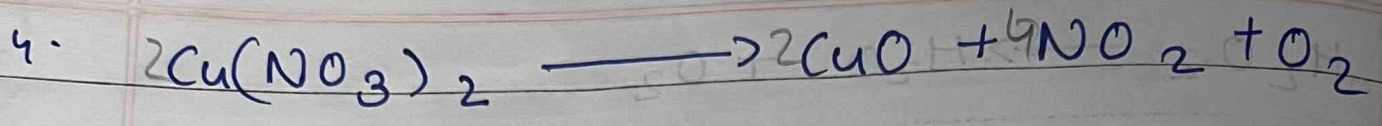
∴ The balanced chemical equation is



Na	2 × 1 + 2	2
H	2 × 1 + 2	2 × 2
S	2 × 1 + 1	1 + 1 + 2
O	6 × 3 + 4	4 + 2 + 2 × 2

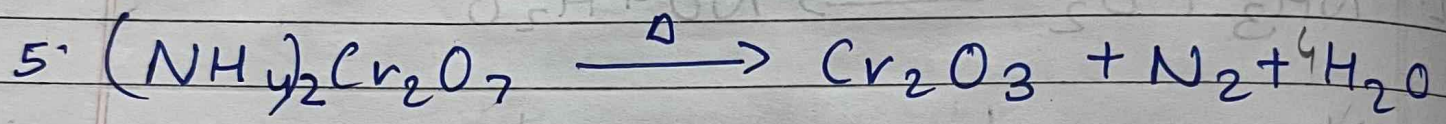
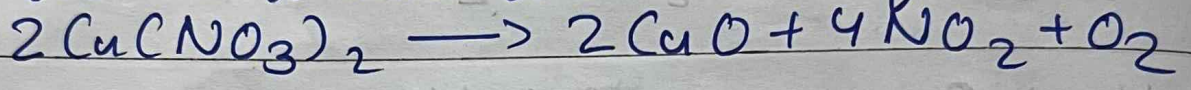
∴ The balanced chemical equation is





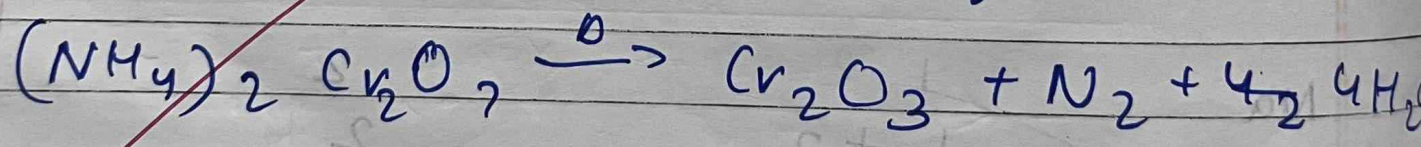
Cu	1	2	=	1	2
N	2	4	+	1	8
O	6	12		2	1+2+2

∴ The balanced chemical equation is

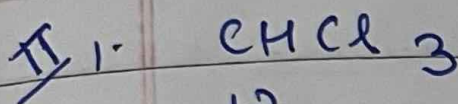


N	2	=	2
H	8	+	8
Cr	2		2
O	7		3+1+4

∴ The balanced chemical equation is



~~9/11/23~~

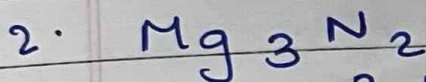


$$= \text{C} \times 1 + \text{H} \times 1 + \text{Cl} \times 3$$

$$= 12 \times 1 + 1 \times 1 + 35.5 \times 3$$

$$= 12 + 1 + 106.5$$

$$= 119.5 \text{ amu}$$



$$\text{Mg} \times 3 + \text{N} \times 2$$

$$24 \times 3 + 14 \times 2$$

$$72 + 28$$

$$100 \text{ amu}$$



$$= \text{C} \times 2 + \text{H} \times 3 + \text{C} \times 1 + \text{O} \times 2 + \text{O} \times 1 + \text{Na} \times 1$$

$$= 12 \times 2 + 1 \times 3 + 12 \times 1 + 16 \times 1 + 16 \times 1 + 23$$

$$= 24 + 3 + 12 + 16 + 16 + 23$$

$$= 94 \text{ amu}$$