

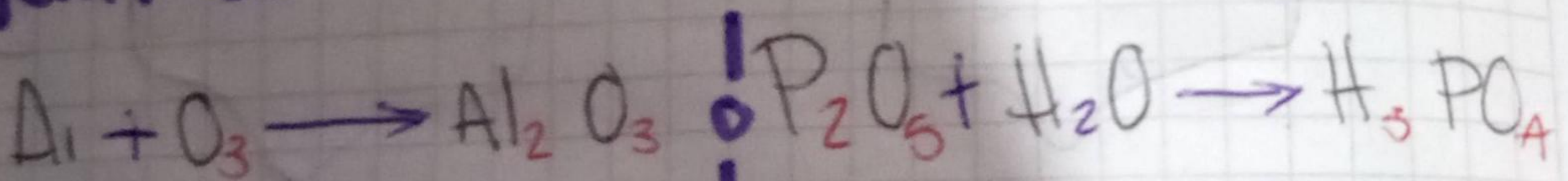


# BALANCEO POR TANTEO

## PASOS

- I Balancear los elementos metalicos
- II Balancear los elementos No Metalicos
- III Balancear los hidrogenos
- IV Balancear los Oxigenos
- V Verificamos si esta Balanceada

## Ejemplos



$$1 \quad Al \quad 2$$

$$2 \quad O \quad 3$$

$$P = 2$$

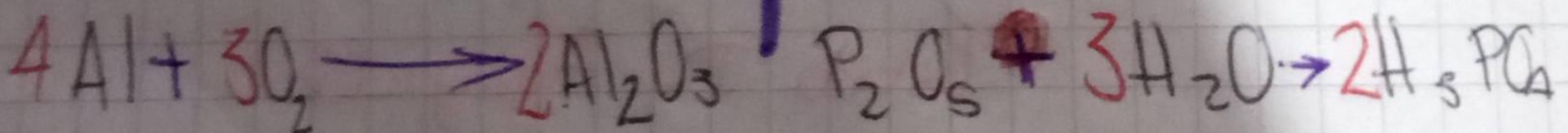
$$H = 2$$

$$O = 6$$

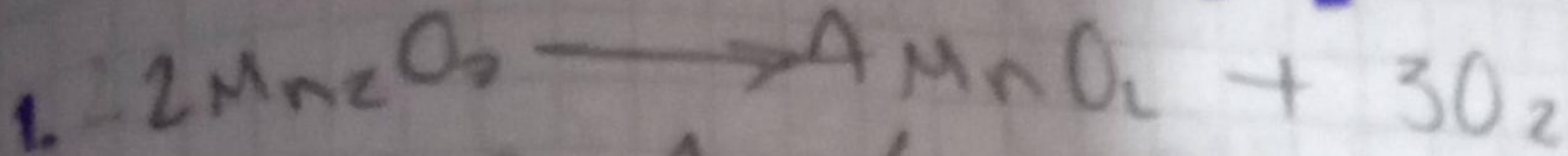
$$P = 1$$

$$H = 3$$

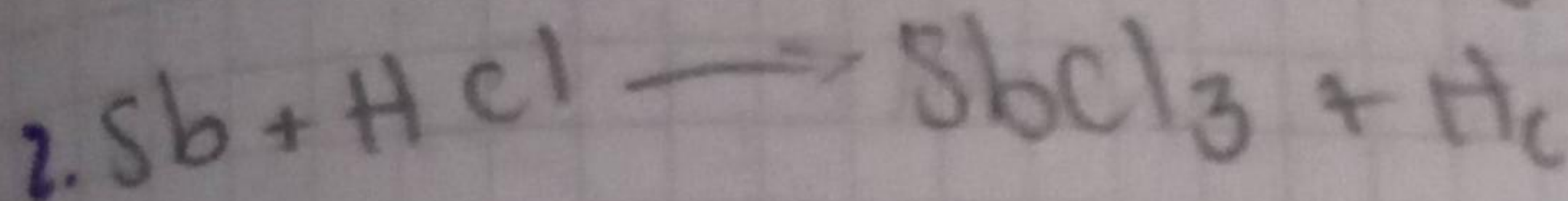
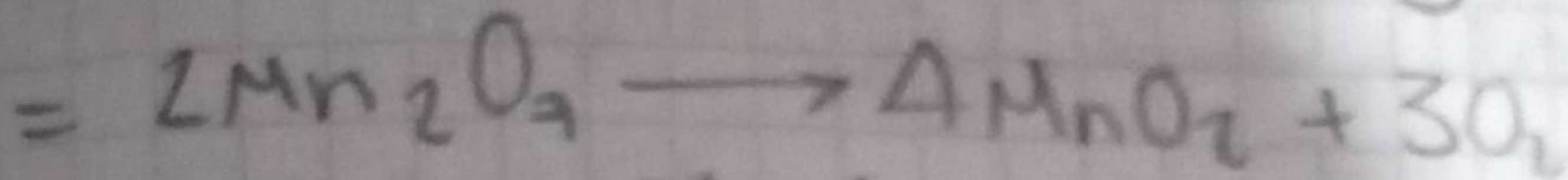
$$O = 4$$



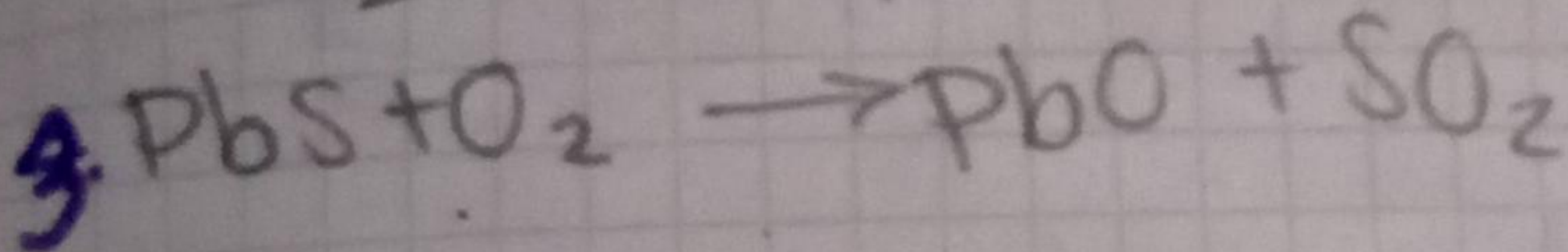
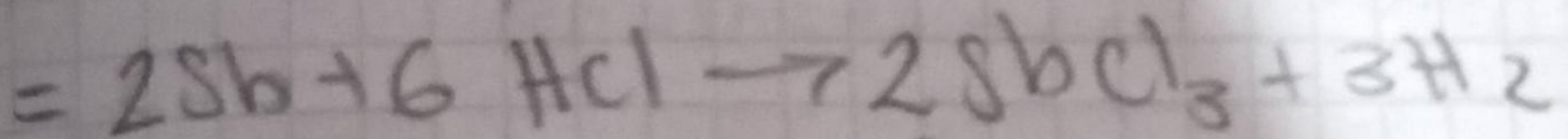
# SOLUTION



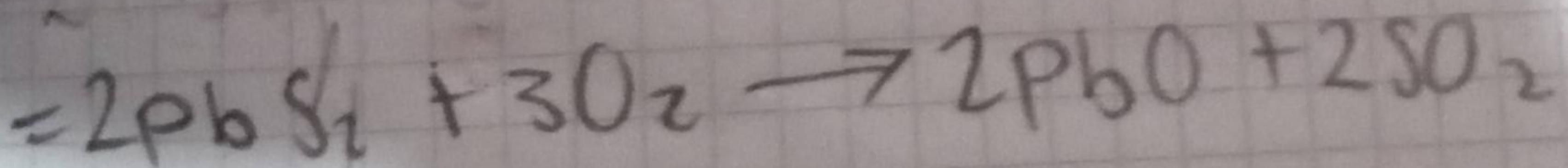
$$\begin{array}{l|l} \text{Mn} = 2 \times 2 = 4 & / \quad \text{Mn} = 1 \times 4 = 4 \\ \text{O} = 3 \times 2 = 6 & / \quad \text{O} = 2 \times 4 = 8 \\ & / \quad 1 + 0 = 2 \times 1 = 2 \end{array}$$

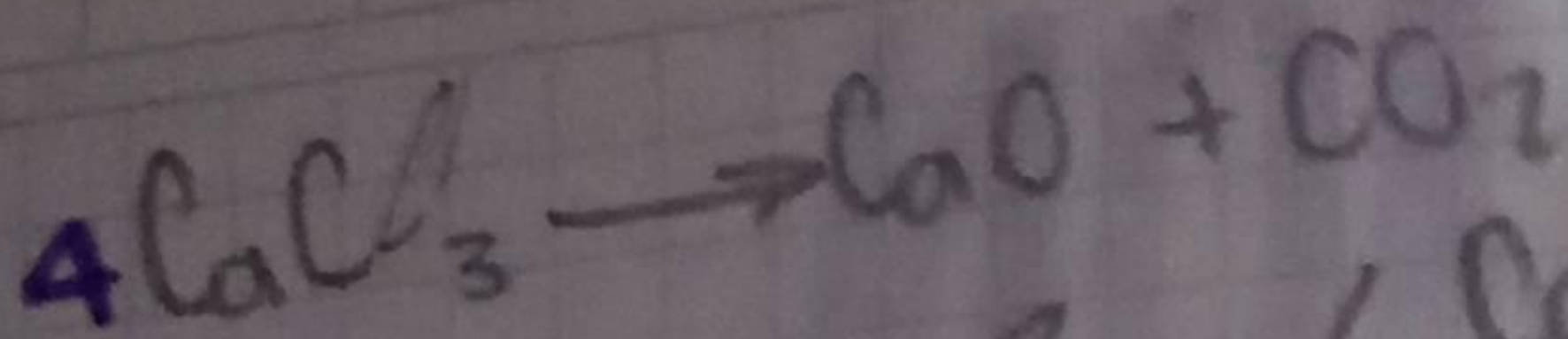


$$\begin{array}{l|l} \text{Sb} = 1 \times 1 = 1 & \text{Sb} = 1 \times 1 = 1 \\ \text{Cl} = 1 \times 1 = 1 & \text{Cl} = 3 \times 1 = 3 \\ \text{H} = 1 \times 1 = 1 & \text{H} = 2 \times 1 = 2 \end{array}$$



$$\begin{array}{l|l} \text{Pb} = 1 \times 1 = 1 & / \quad \text{Pb} = 1 \times 1 = 1 \\ \text{S} = 1 \times 1 = 1 & / \quad \text{S} = 1 \times 1 = 1 \\ \text{O} = 2 \times 2 = 4 & / \quad \text{O} = 1 \times 1 = 1 \\ & / \quad + \text{O} = 2 \times 2 = 4 \end{array}$$



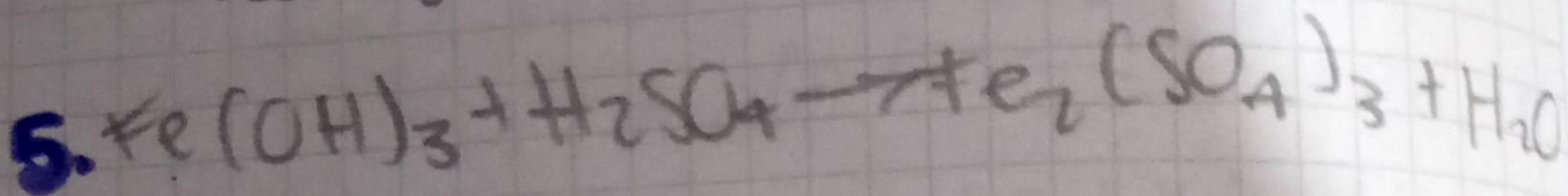
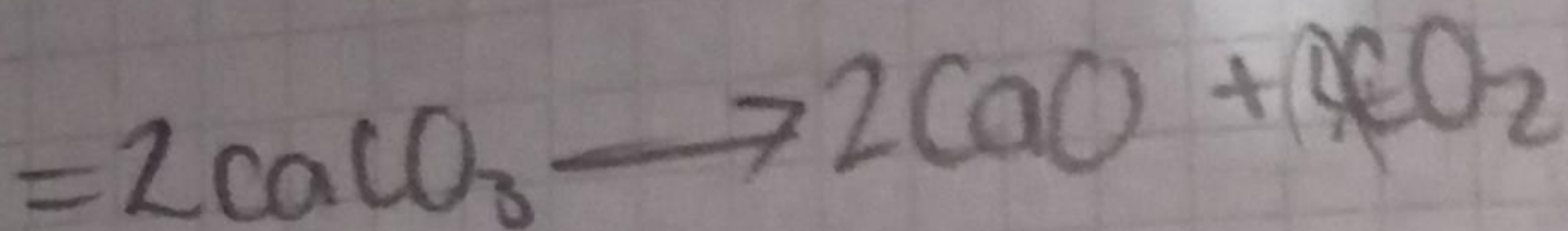


$$\text{Ca} = 1 \times 2 = 2 \quad / \quad \text{Ca} = 1 \times 2 = 2$$

$$\text{C} = 1 \times 2 = 2 \quad / \quad \text{C} = 1 \times 2 = 2$$

$$\text{O} = 3 \times 2 = 6 \quad / \quad \text{O} = 1 \times 2 = 2$$

$$1 + 0 - 2 \times 2 = 4$$



$$\text{Fe} = 1 \times 2 = 2$$

$$\text{S} = 1 \times 3 = 3$$

$$\text{H} = 3 \times 2 = 6 + 2 \times 3 = 6 = 12$$

$$\text{O} = 3 \times 2 = 6 + 4 \times 3 = 12 = 18$$

$$\text{Fe} = 2$$

$$\text{S} = 3$$

$$\text{H} = 2 \times 6 = 12$$

$$\text{O} = 12 + 1 \times 6 = 18$$

