

6. Verificar que este balanceada.

EJERCICIOS



Li

$$\text{Li} = a = 2c$$

O

$$\text{O} = a + 2b = 3c + d$$

H

$$\text{H} = a = 2d$$

C

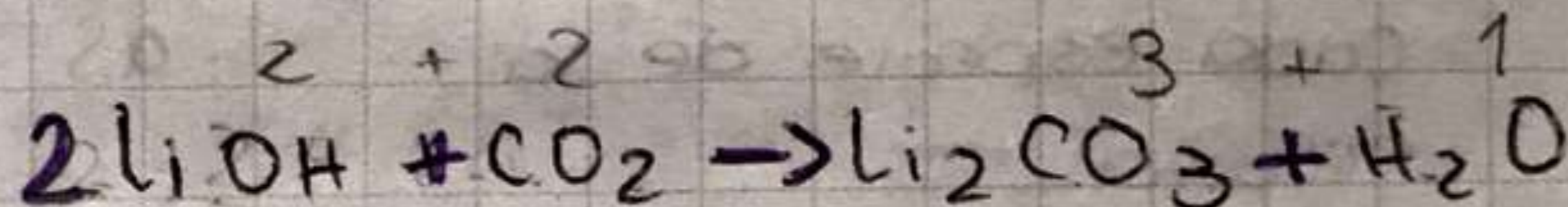
$$\text{C} = b = c$$

$$a = \underline{2}$$

$$b = \underline{1}$$

$$c = \underline{1}$$

$$d = \underline{1}$$

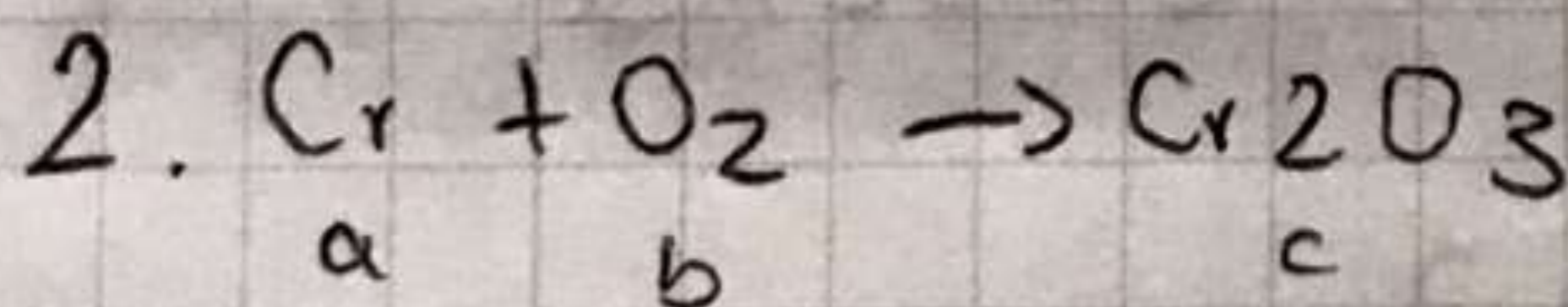


2 Li 2

4 O 4

2 H 2

1 C 1



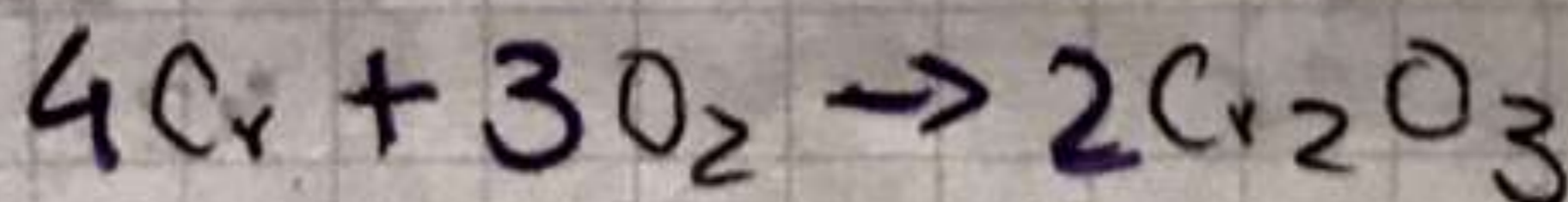
$$a = \underline{4}$$

$$b = \underline{3}$$

$$c = \underline{2}$$

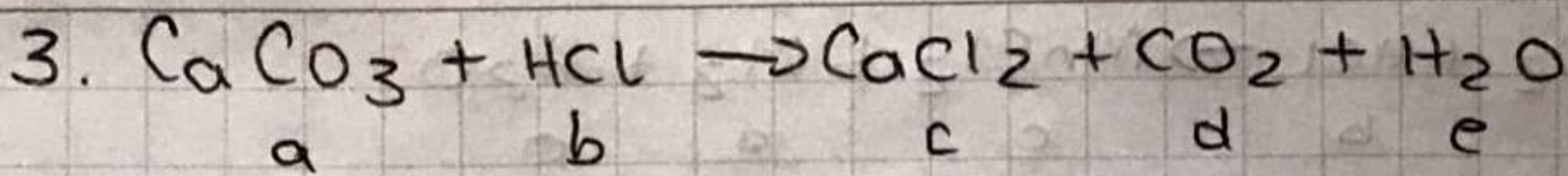
$$\text{Cr} : a = 2c$$

$$\text{O} : 2b = 3c$$

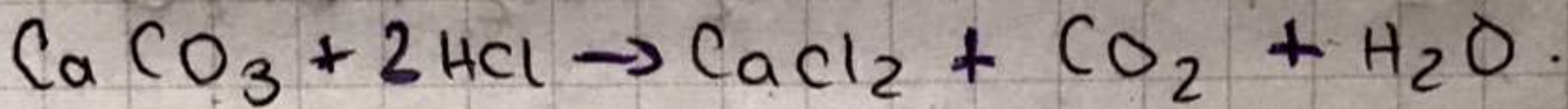


4 Cr 4

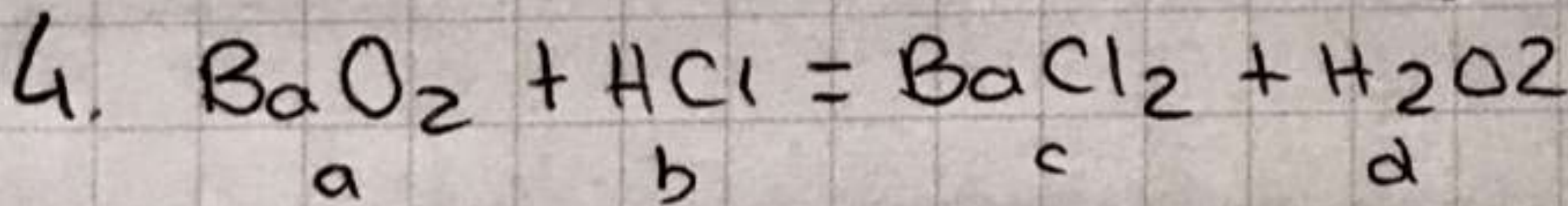
6 O 6



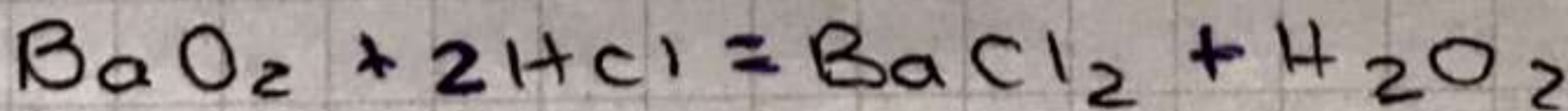
$$\begin{aligned} \text{Ca} : a &= c & a &= 1 \\ \text{C} : a &= d & b &= 2 \\ \text{Cl} : b &= 2c & c &= 1 \\ \text{H} : b &= 2e & d &= 1 \\ \text{O} : 3a &= 2d + e & e &= 1 \end{aligned}$$



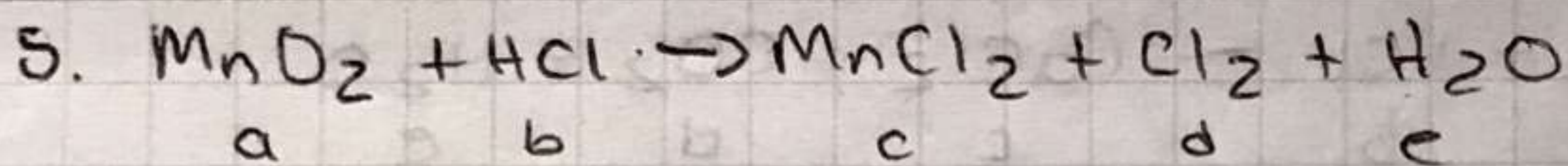
$$\begin{array}{ccc} 1 & \text{Ca} & 1 \\ 1 & \text{C} & 1 \\ 2 & \text{Cl} & 2 \\ 2 & \text{H} & 2 \\ 3 & \text{O} & 3 \end{array}$$



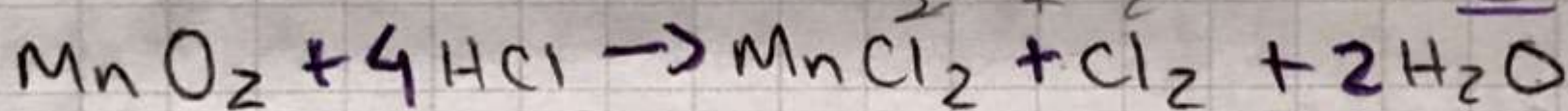
$$\begin{aligned} \text{Ba} : a &= c & a &= 1 \\ \text{Cl} : b &= 2c & b &= 2 \\ \text{H} : b &= 2d & c &= 1 \\ \text{O} : 2a &= 2d & d &= 1 \end{aligned}$$



$$\begin{array}{ccc} 1 & \text{Ba} & 1 \\ 2 & \text{Cl} & 2 \\ 2 & \text{H} & 2 \\ 2 & \text{O} & 2 \end{array}$$



$$\begin{aligned} \text{Mn} : a &= c & a &= 1 \\ \text{Cl} : b &= 2c + 2d & b &= 4 \\ \text{H} : b &= 2e & c &= 1 \\ \text{O} : 2a &= e & d &= 1 \\ & & e &= 2 \end{aligned}$$



$$\begin{array}{ccc} 1 & \text{Mn} & 1 \\ 4 & \text{Cl} & 4 \\ 4 & \text{H} & 4 \\ 2 & \text{O} & 2 \end{array}$$