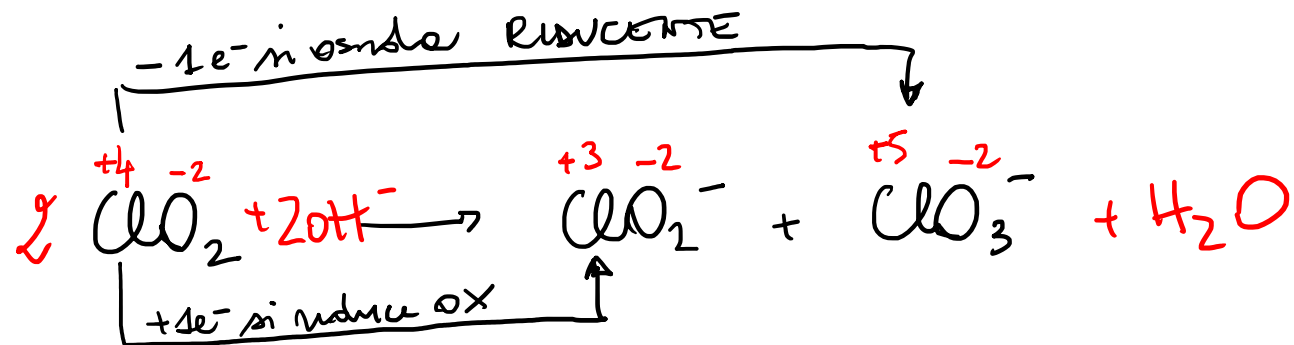
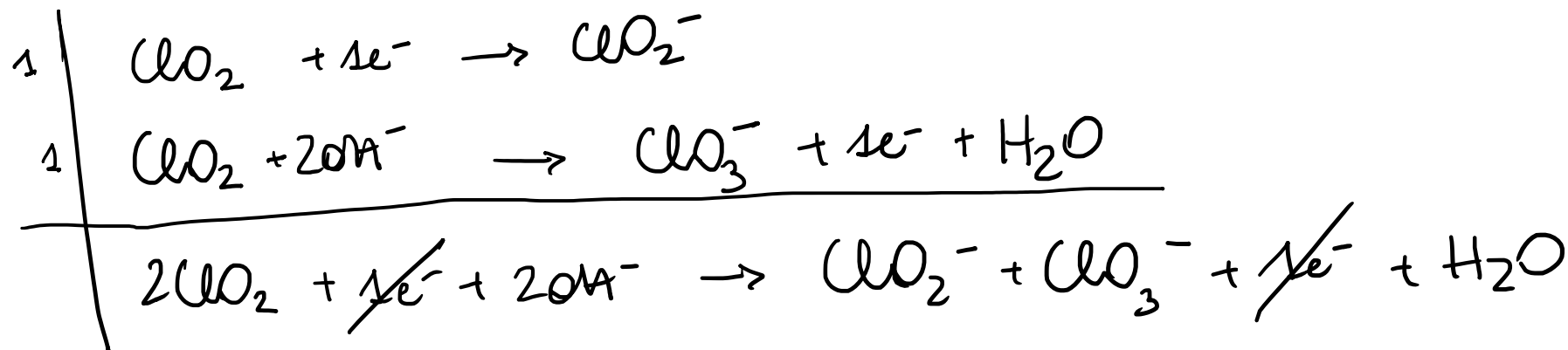


Lezione 8

Ex 1

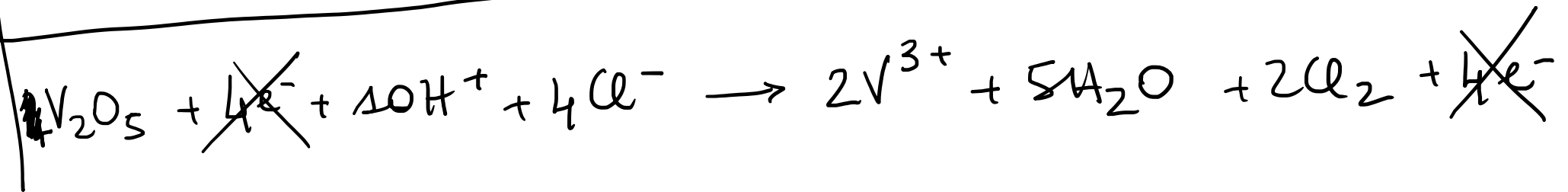
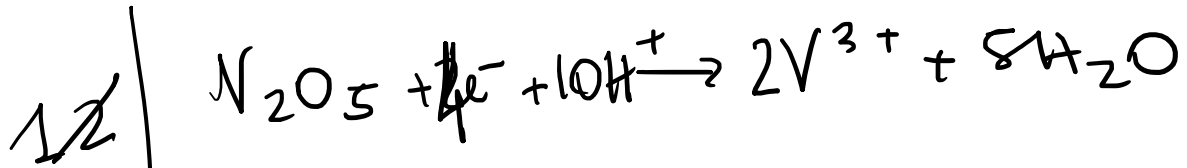
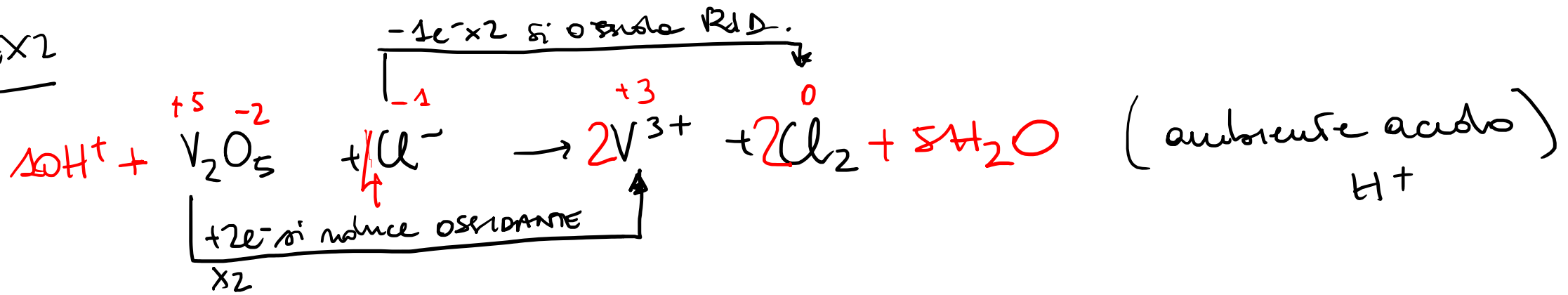


(ambiente basico)
 OH^-

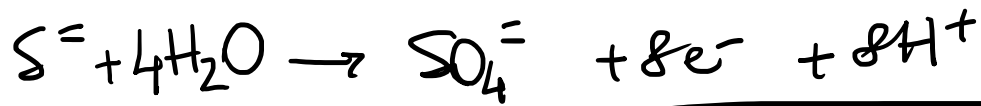
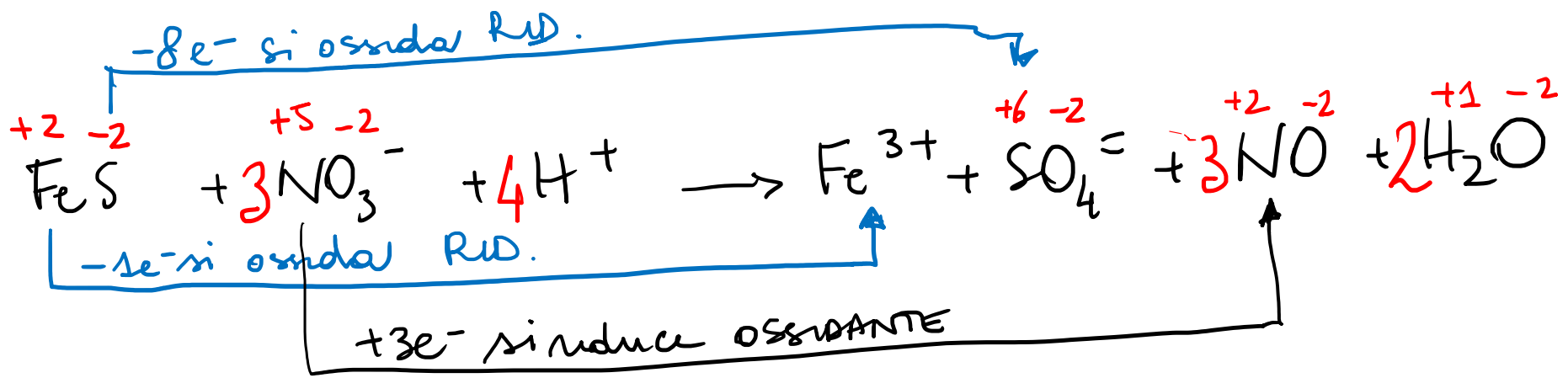


Bilanciata

EX2



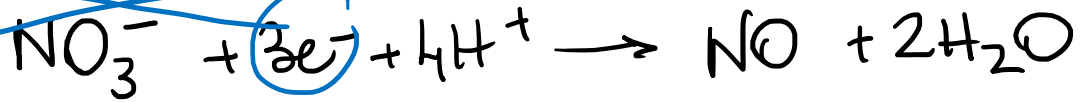
3



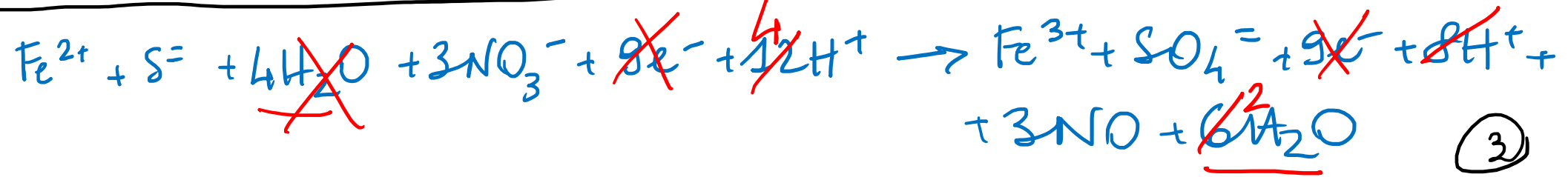
OSSIDAZIONE



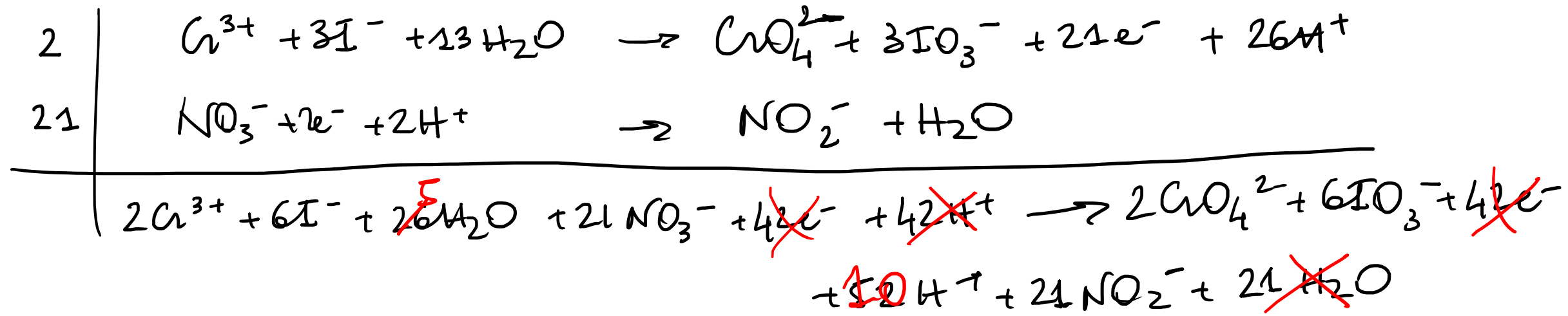
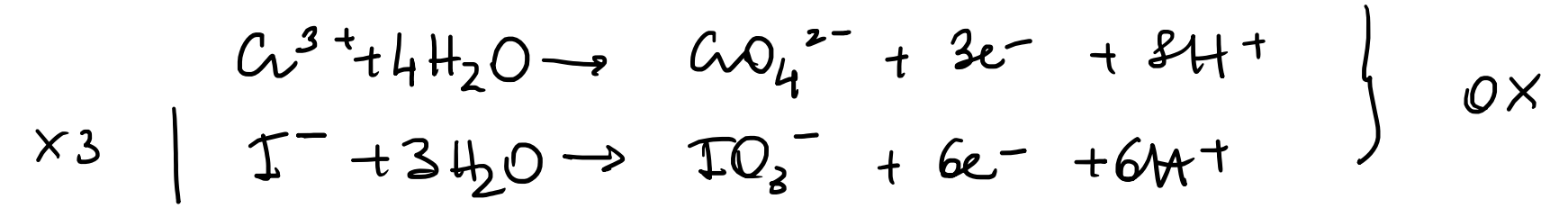
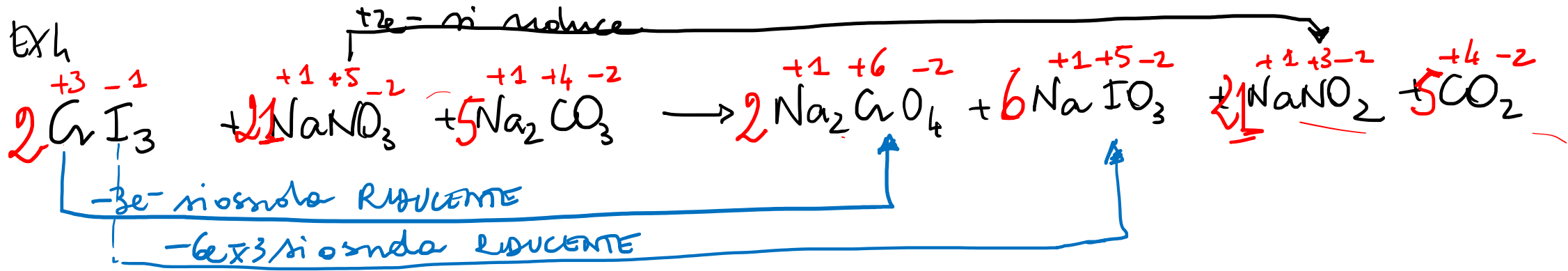
Processo globale di ossidazione



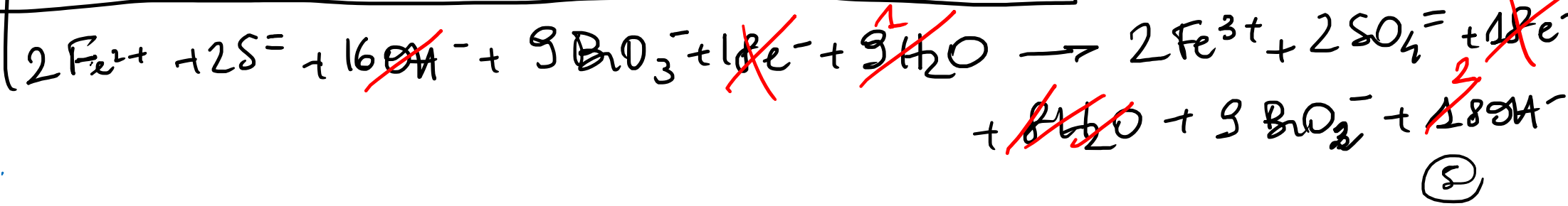
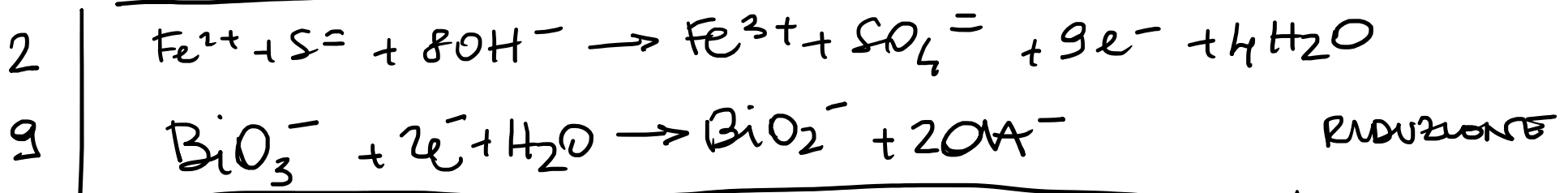
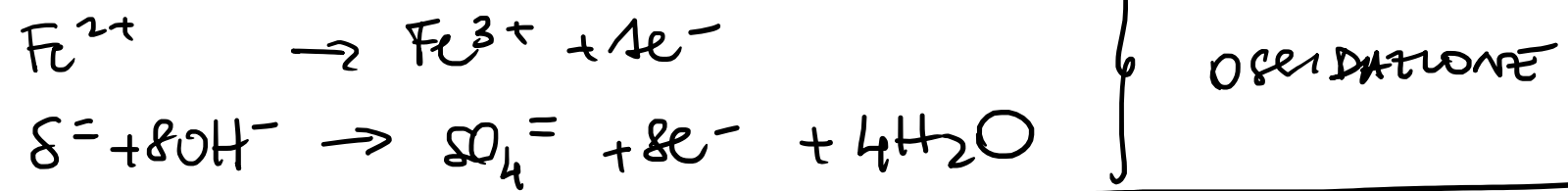
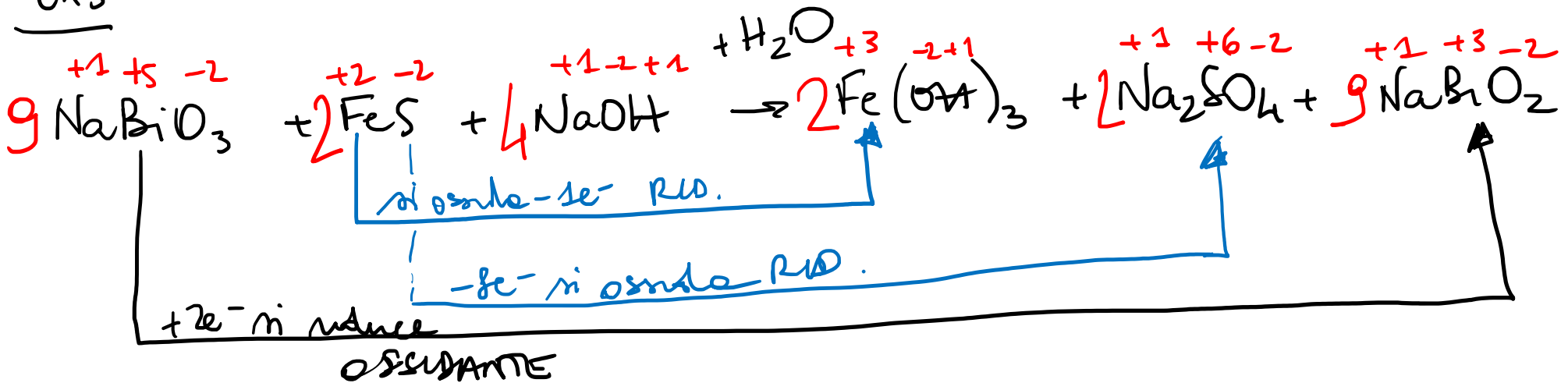
Processo di riduzione



(3)

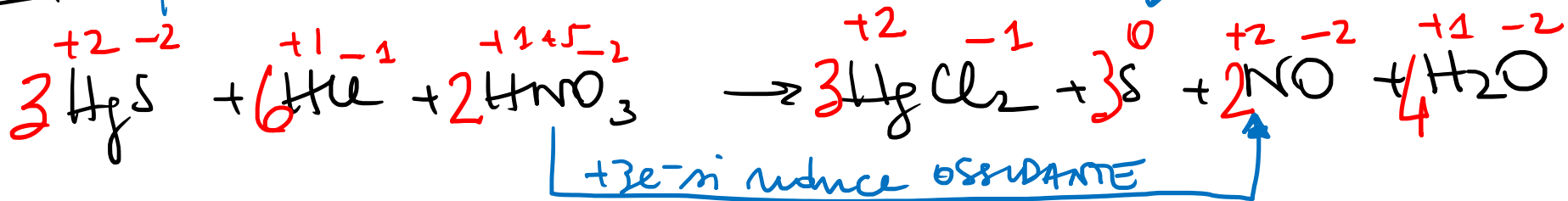


EX 5



EX 6

$-2e^-$ in $6S$ in $2HNO_3$ RIDUCENTE



g $HgCl_2$ = ?

123 g HgS
92.1%

$$m_{HgS \text{ puro}} = 123 \text{ g} \cdot 0.921 = 113 \text{ g } HgS \text{ puro}$$

$$mol_{HgS \text{ puro}} = \frac{113 \text{ g}}{232.6 \text{ g/mol}} = 0.486 \text{ mol} = mol_{HgCl_2}$$

$$m_{HgCl_2} = 0.486 \text{ mol} \cdot 271.5 \text{ g/mol} = \boxed{132.0 \text{ g } HgCl_2}$$

3!3 / 1!1

6

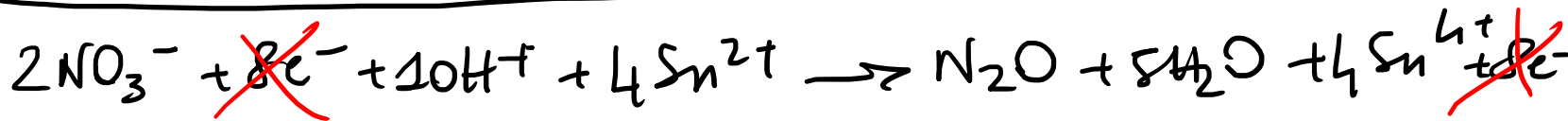
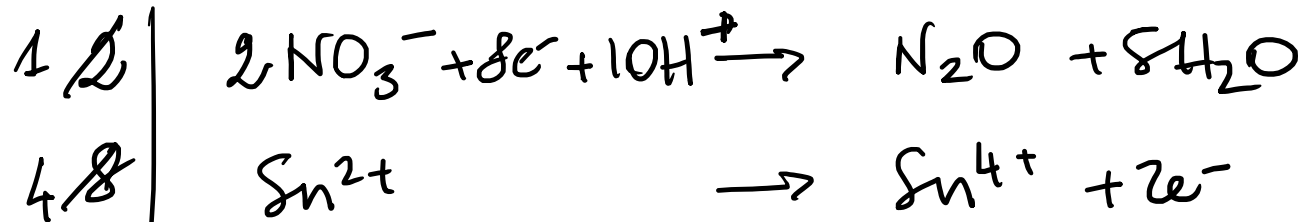
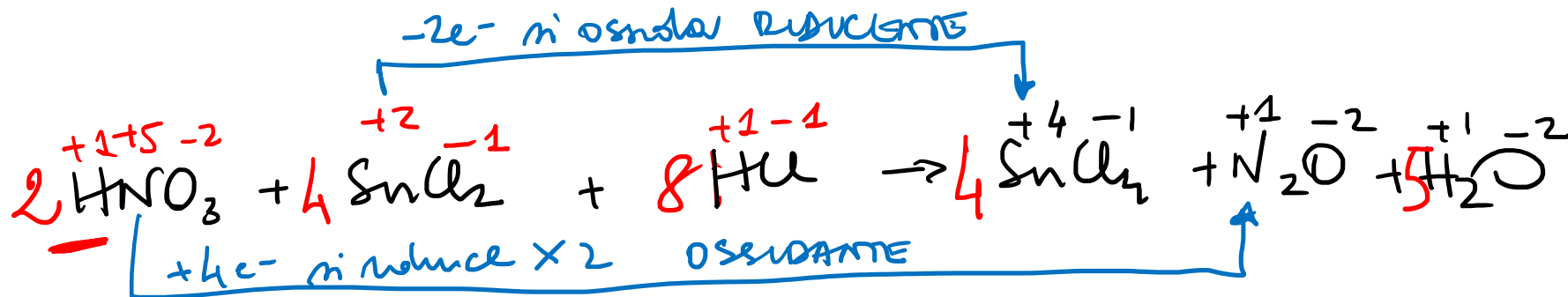
Ex 7

$V_{HNO_3} = ?$

$65\% \frac{m}{m} \quad d = 1.20 \text{ g/ml}$

65.2 g SnCl_4

Resol $\text{SnCl}_4 = 98.2\%$



$\text{mol}_{\text{eff}} \text{SnCl}_4 = \frac{65.2 \text{ g}}{260.7 \text{ g/mol}} = 0.250 \text{ mol EFFETTIVE}$

$\text{mol}_{\text{TEOR}} = \frac{0.250 \text{ mol}}{0.982} = 0.255 \text{ mol}$

Resol $\frac{\text{mol}}{\text{mol TEOR}}$

$4 : 2 = 0.255 \text{ mol} \quad ! \quad x \text{ mol HNO}_3$

$\Rightarrow \text{mol HNO}_3 = 0.127 \text{ mol}$
PURO

Ⓟ

$$\text{ml HNO}_3 \text{ puro} = 0.127 \text{ ml}$$

$$m \text{ HNO}_3 \text{ puro} = 0.127 \text{ ml} \cdot 63.0 \text{ g/ml} = 8.00 \text{ g HNO}_3 \text{ puro}$$

$$m \text{ solutione HNO}_3 \text{ 65\%} = \frac{8.00 \text{ g}}{0.65} = 12.3 \text{ g sol. HNO}_3 \text{ 65\%}$$

$$d = \frac{m}{V}$$

$$V = \frac{m}{d}$$

\Rightarrow

$$V_{\text{ml}} = \frac{12.3 \text{ g}}{1.20 \text{ g/ml}}$$

10.3 ml sol
HNO₃ 65%, m/m

⑧