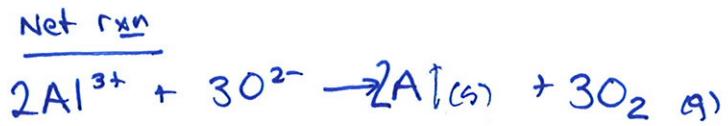
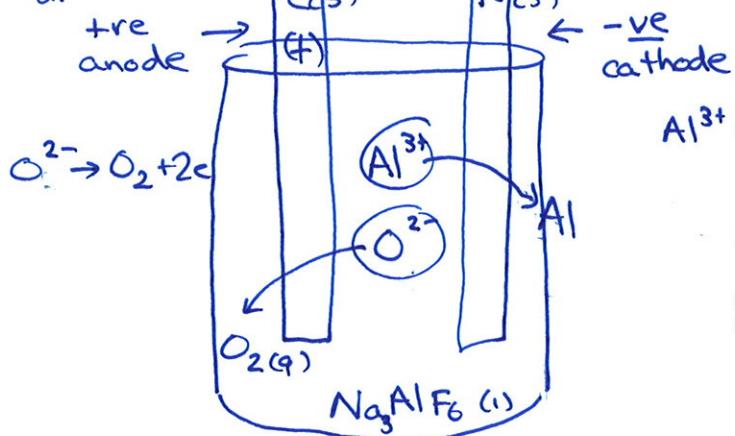
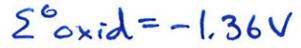
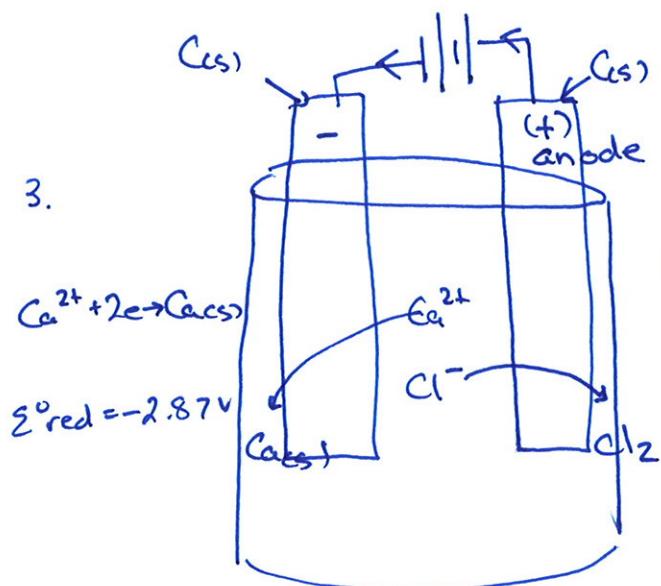


Electrolytic Cells

2.



3.



$$\Sigma^{\circ}_{\text{cell}} = \Sigma^{\circ}_{\text{red}} + \Sigma^{\circ}_{\text{oxid}}$$

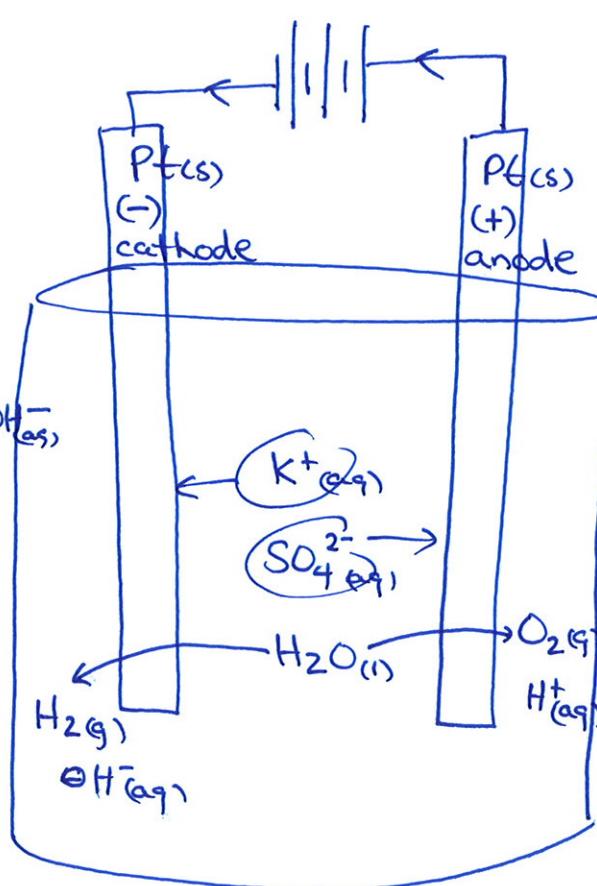
$$= -2.87 \text{ V} + -1.36 \text{ V}$$

$$= -4.23 \text{ V}$$

4.

reduction

$$\Sigma^{\circ}_{\text{red}} = -0.83\text{ V}$$

oxidation

$$\Sigma^{\circ}_{\text{oxid}} = -1.23\text{ V}$$

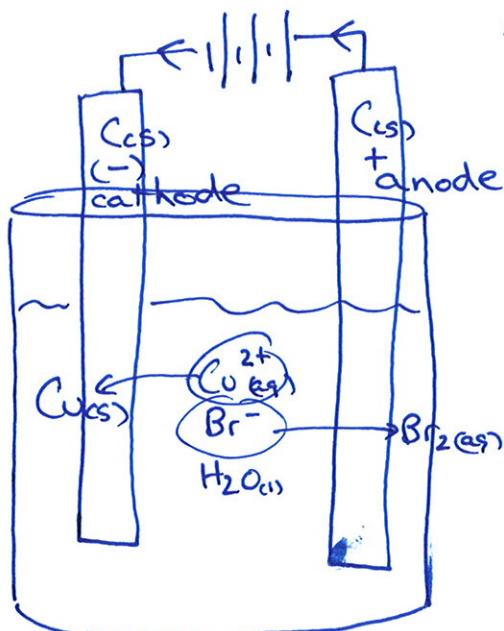
net rxn

$$\begin{aligned}\Sigma^{\circ}_{\text{cell}} &= \Sigma^{\circ}_{\text{red}} + \Sigma^{\circ}_{\text{oxid}} \\ &= -0.83\text{ V} + -1.23\text{ V} \\ &= -2.06\text{ V}\end{aligned}$$

5.

reduction

$$\Sigma^{\circ}_{\text{red}} = 0.34\text{ V}$$

oxidation

$$\Sigma^{\circ}_{\text{oxid}} = -1.07\text{ V}$$



$$\begin{aligned}\Sigma^{\circ}_{\text{cell II}} &= \Sigma^{\circ}_{\text{red}} + \Sigma^{\circ}_{\text{oxid}} \\ &= 0.34\text{ V} + -1.07\text{ V} \\ &= -0.73\text{ V}\end{aligned}$$