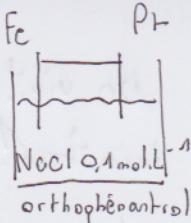


Cours : travail maximum récupéré

Q ouverte :



→ Au voisinage de Pt: solut^o basique + dégazage
• coloration rose

orthophénanthroline (rose si Fe²⁺)

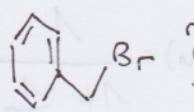
→ En remplaçant Pt par Zn: - précipité blanc Zn(OH)₂(s)
- basicité + dégazage au voisinage de Fe.
- plus de rose

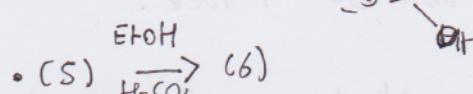
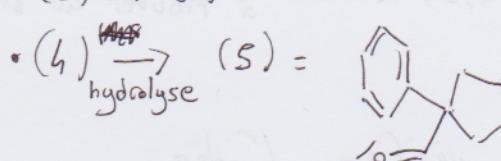
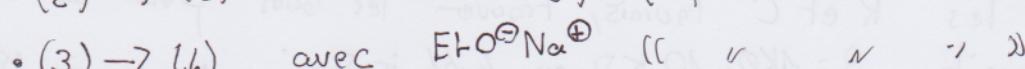
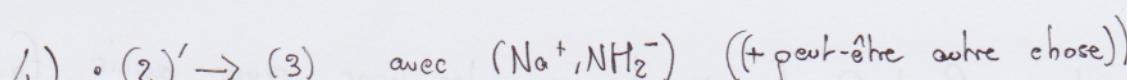
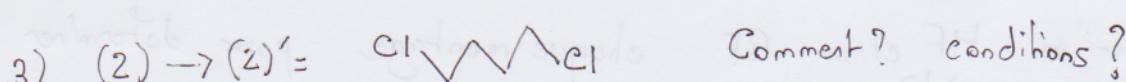
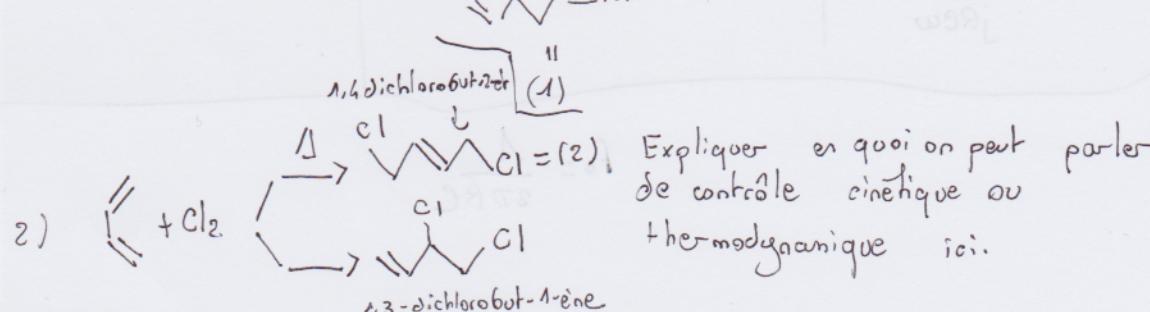
$$E^{\circ}(\text{H}_2\text{O}/\text{H}_2\text{rg}) = 0 \text{ V}$$

$$E^{\circ}(\text{Zn}^{2+}/\text{Zn}) = -0,44 \text{ ou } -0,76 \text{ V}$$

$$E^{\circ}(\text{Fe}^{2+}/\text{Fe}) = -0,76 \text{ ou } -0,46 \text{ V}$$

Comparer les deux piles

Exo: 1) Comment former à partir de  ?



a) Donner les formules semi-développées de (3), (4), (6)

b) Mécanisme de (3) → (4)?

c) Mécanisme de (5) → (6) + rôle H_2SO_4 ?

