

LC23 : Diagrammes potentiel-pH

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Diagramsmes du fer et de l'iode

Diagramme potentiel-pH : Fer ($C = 1.0E-002 \text{ mol/L}$).

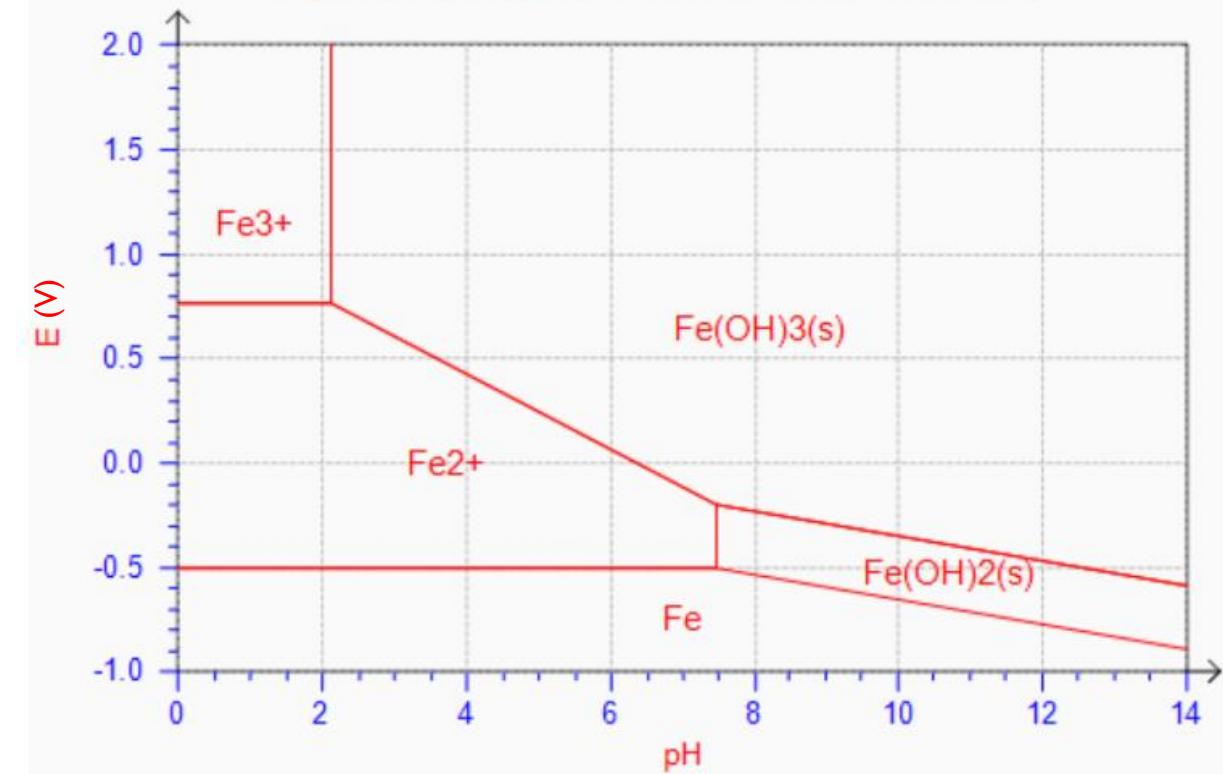
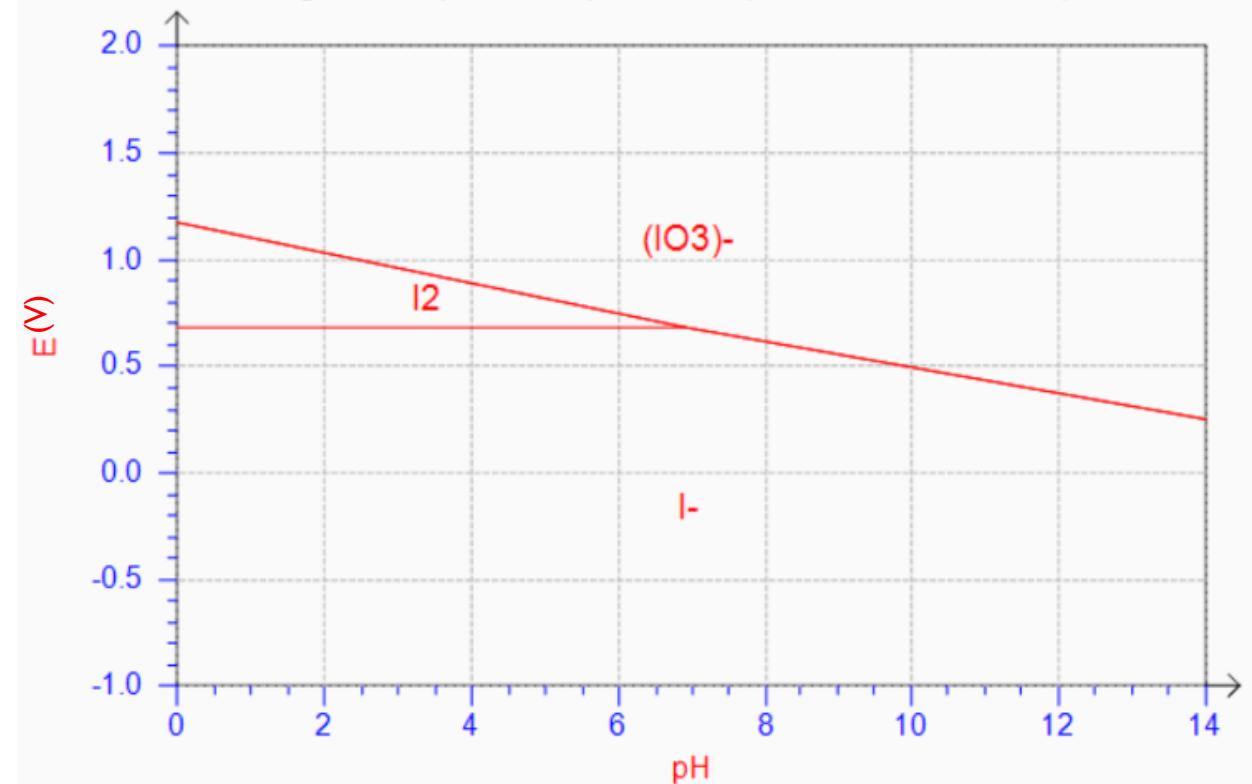
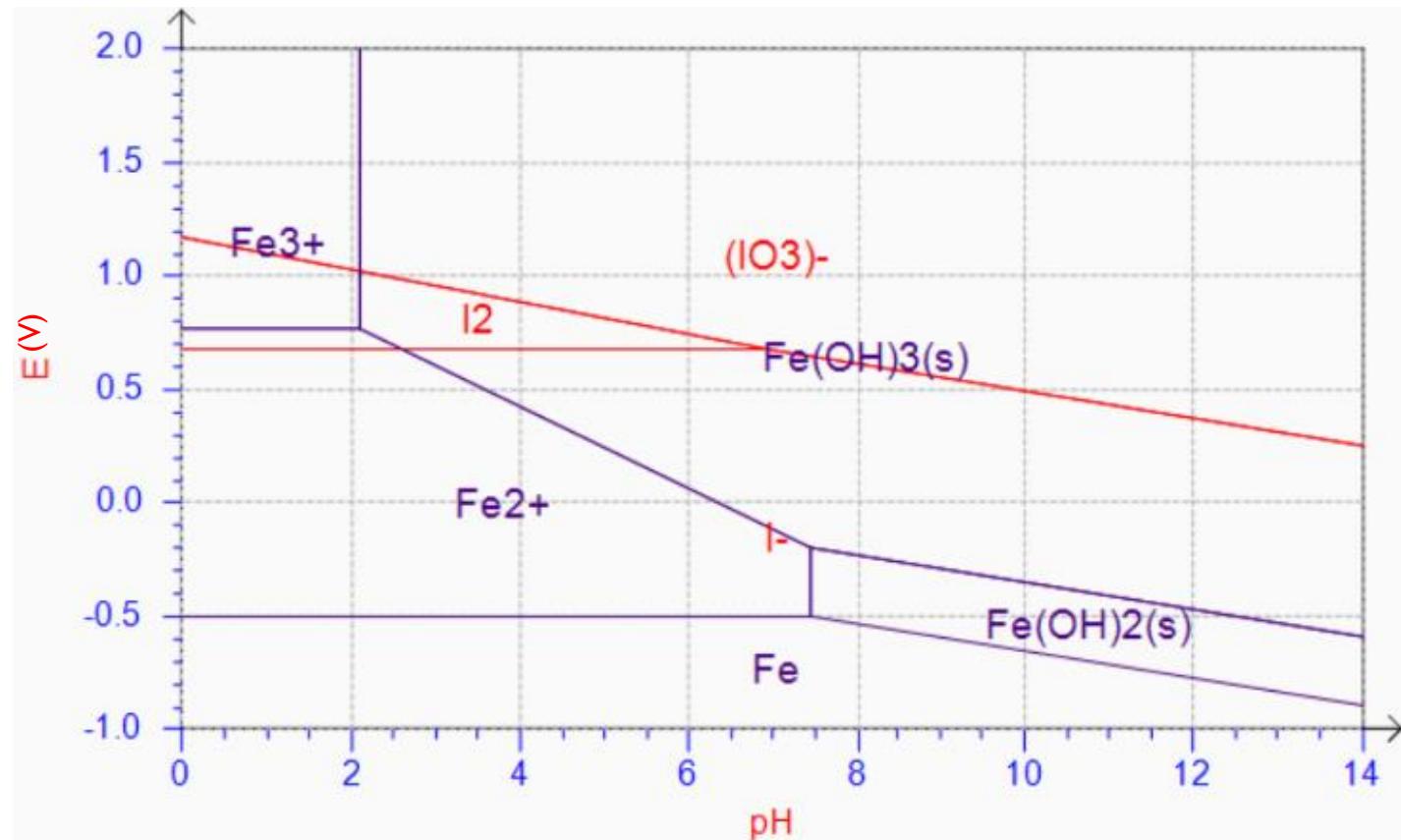


Diagramme potentiel-pH : Iode ($C = 1.0E-002 \text{ mol/L}$).



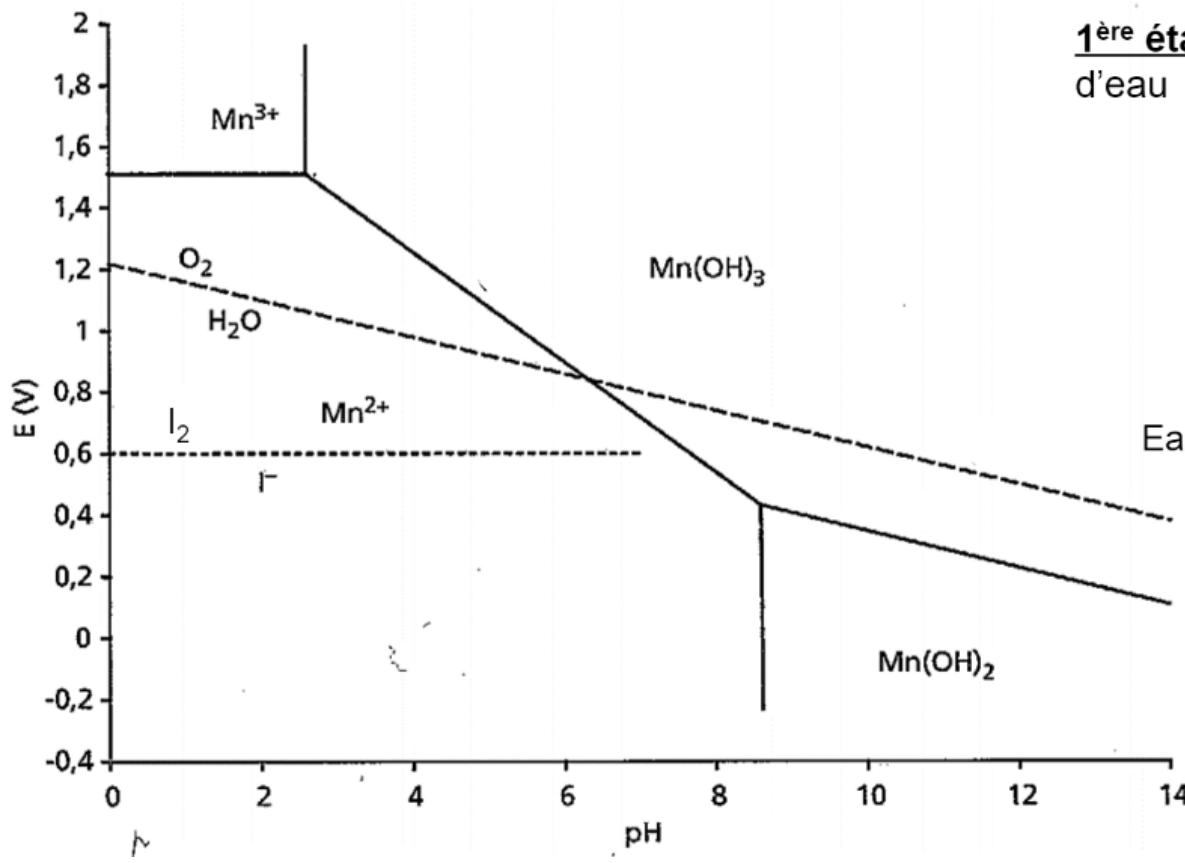
Superposition des diagrammes



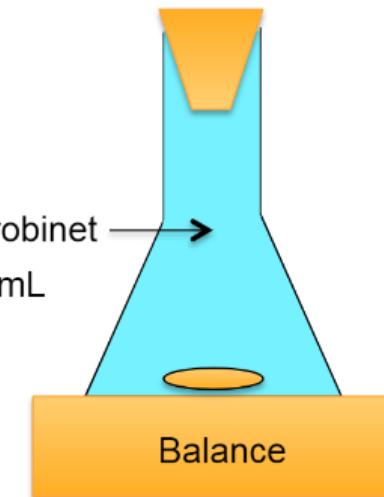
Qualité de l'eau

Qualité	O ₂ dissous (mg.L ⁻¹)
Excellente	>7
Bonne	5-7
Moyenne	3-5
Mauvaise	1-3
Très mauvaise	<1

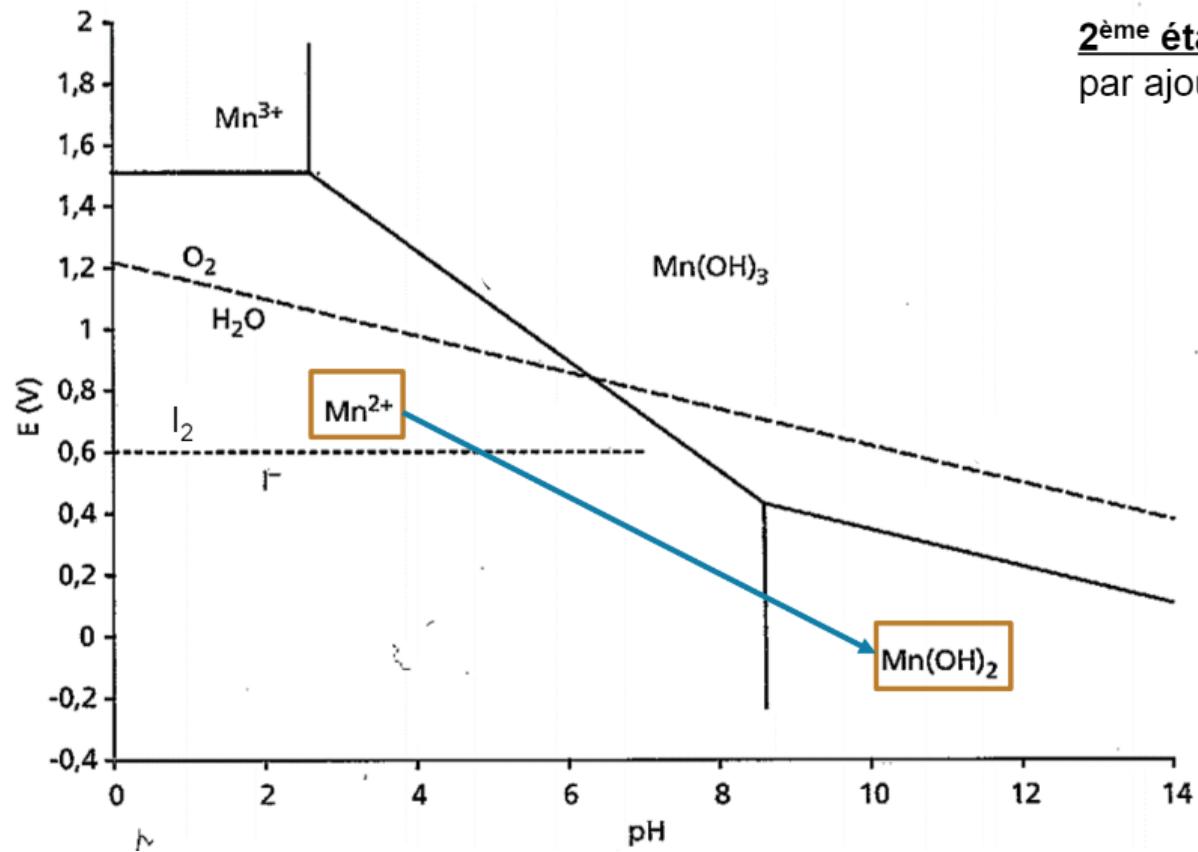
Méthode de Winkler



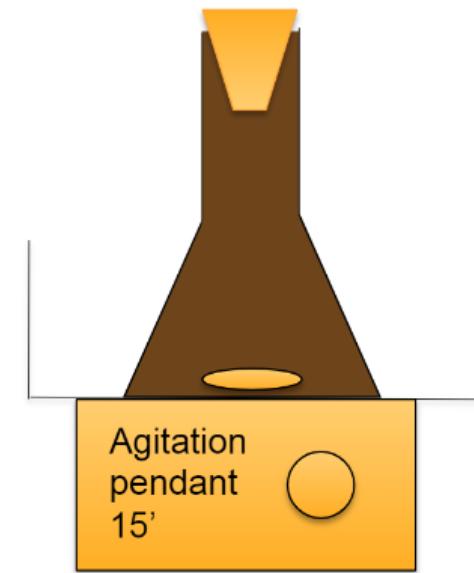
1^{ère} étape : On détermine le volume d'eau



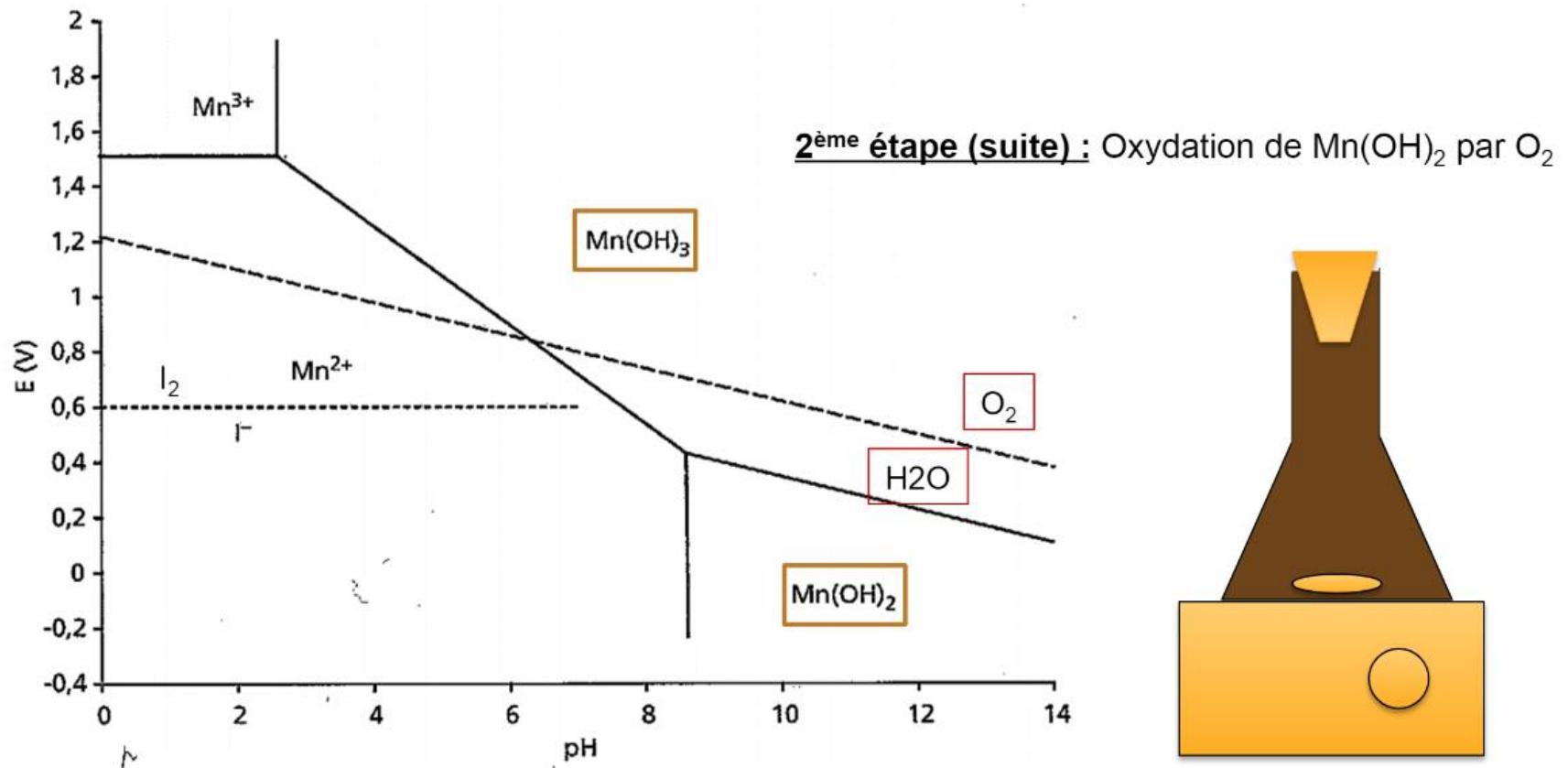
Méthode de Winkler



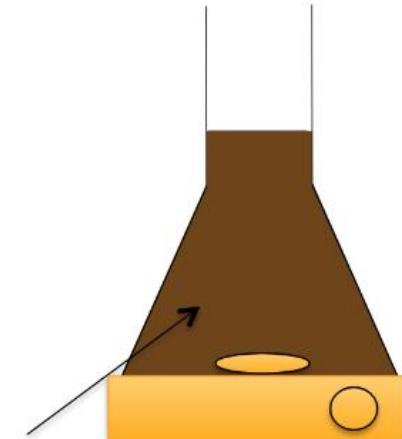
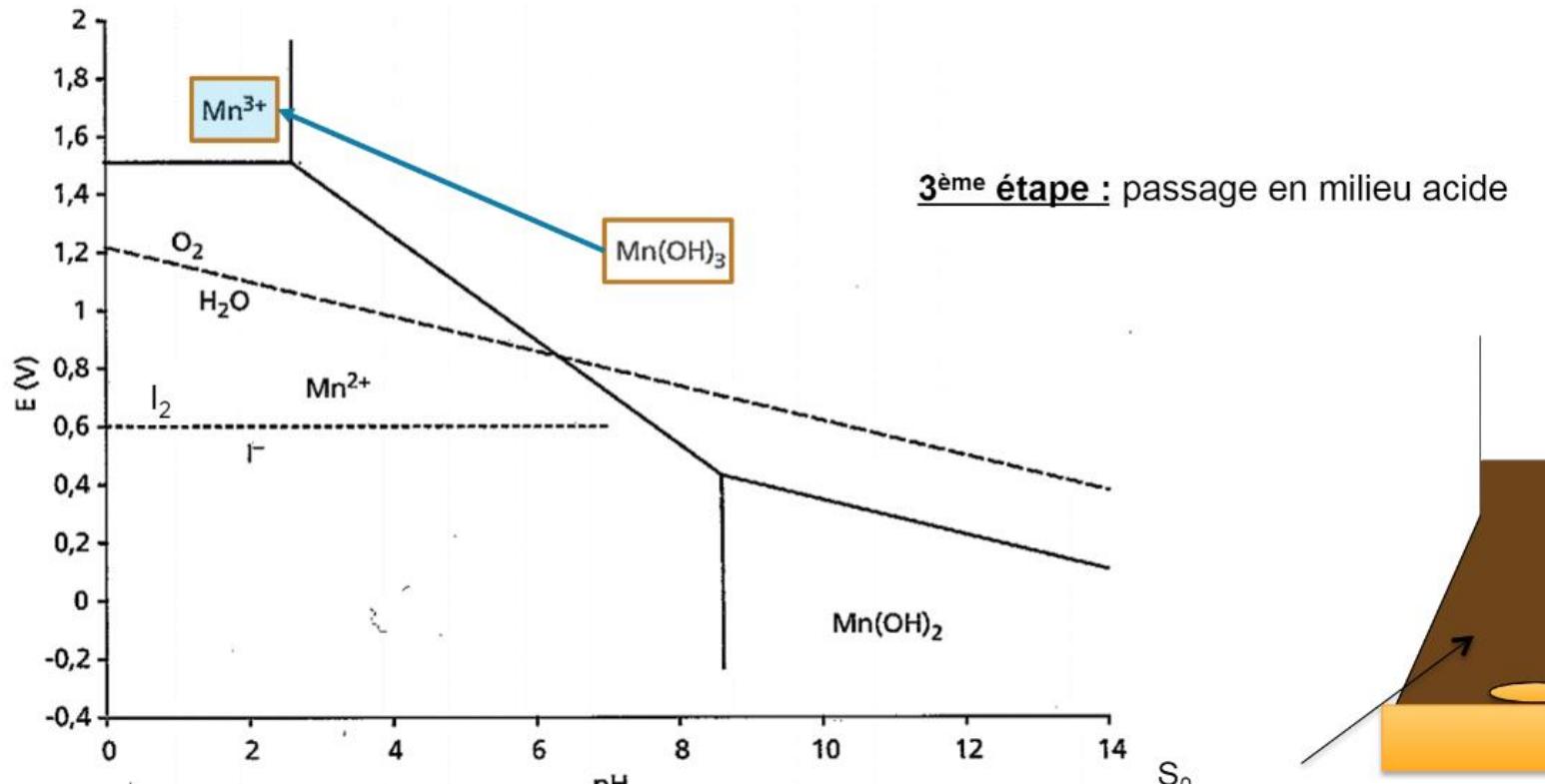
2^{ème} étape : On rend le milieu basique par ajout de soude



Méthode de Winkler

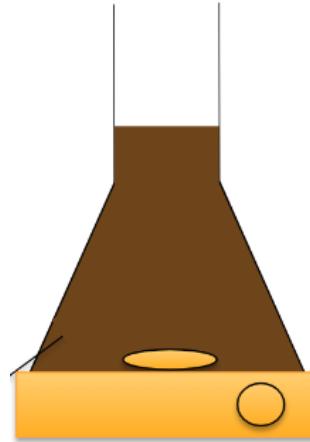
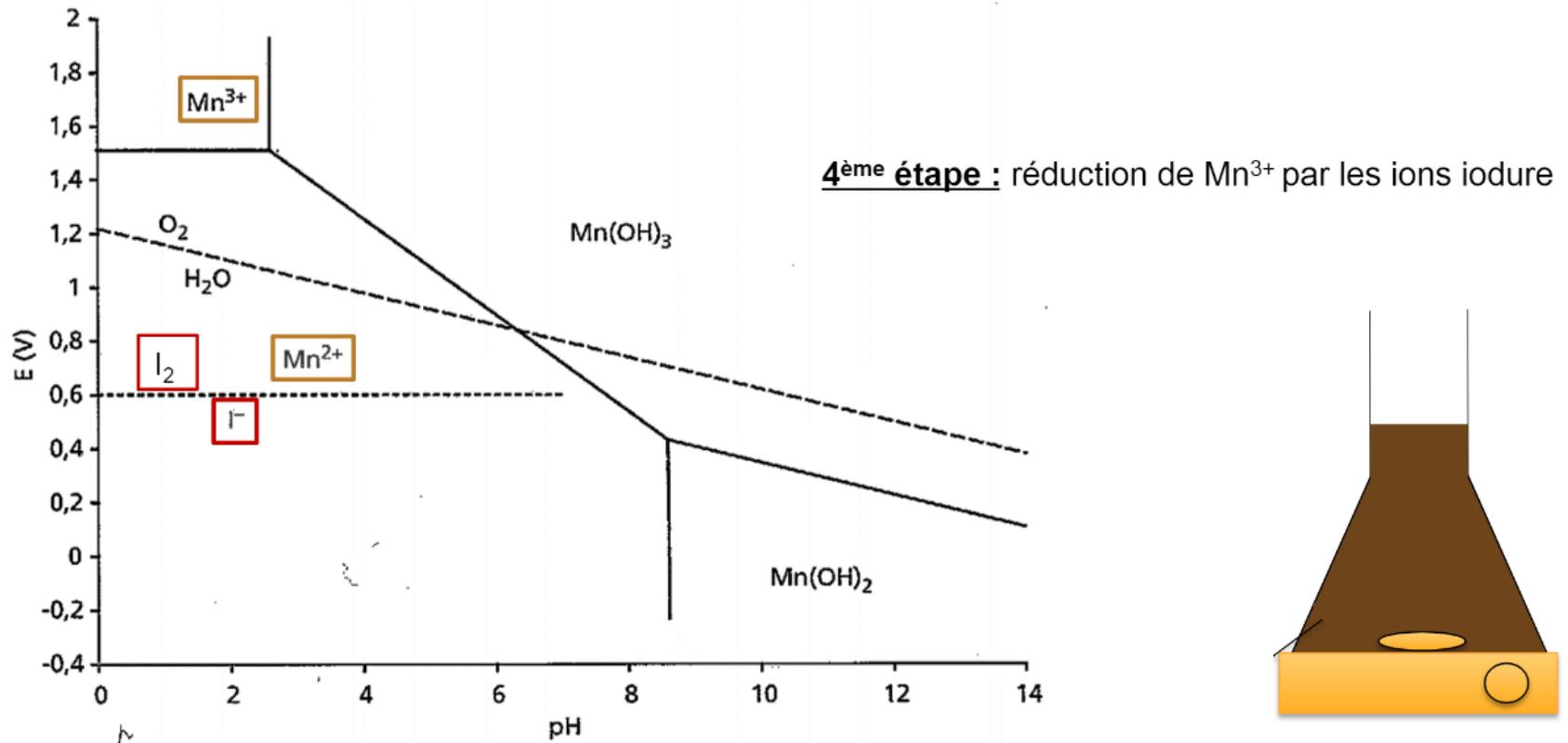


Méthode de Winkler

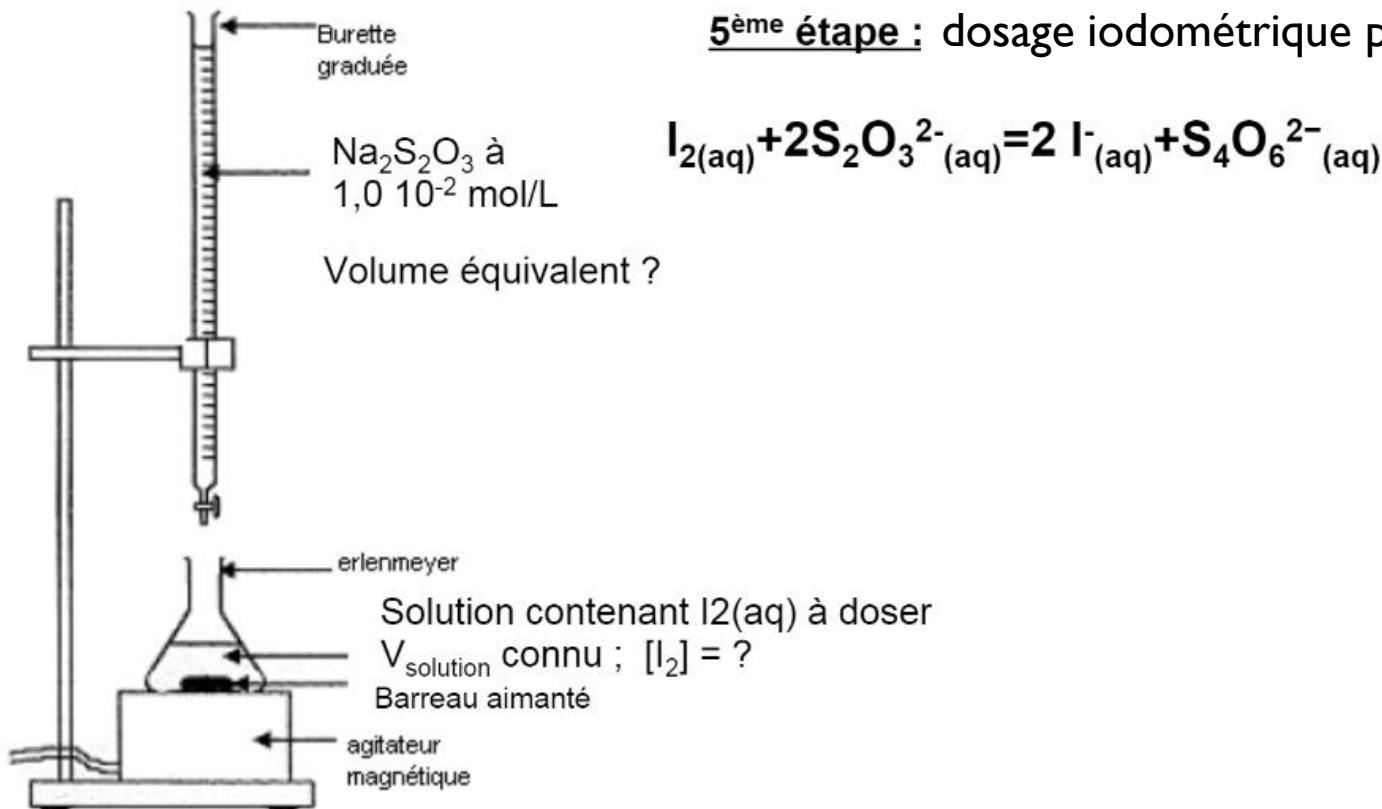


S_0
+ ~ 20mL H_2SO_4 (mol.L^{-1})
+ ~ 1g KI

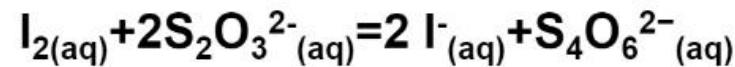
Méthode de Winkler



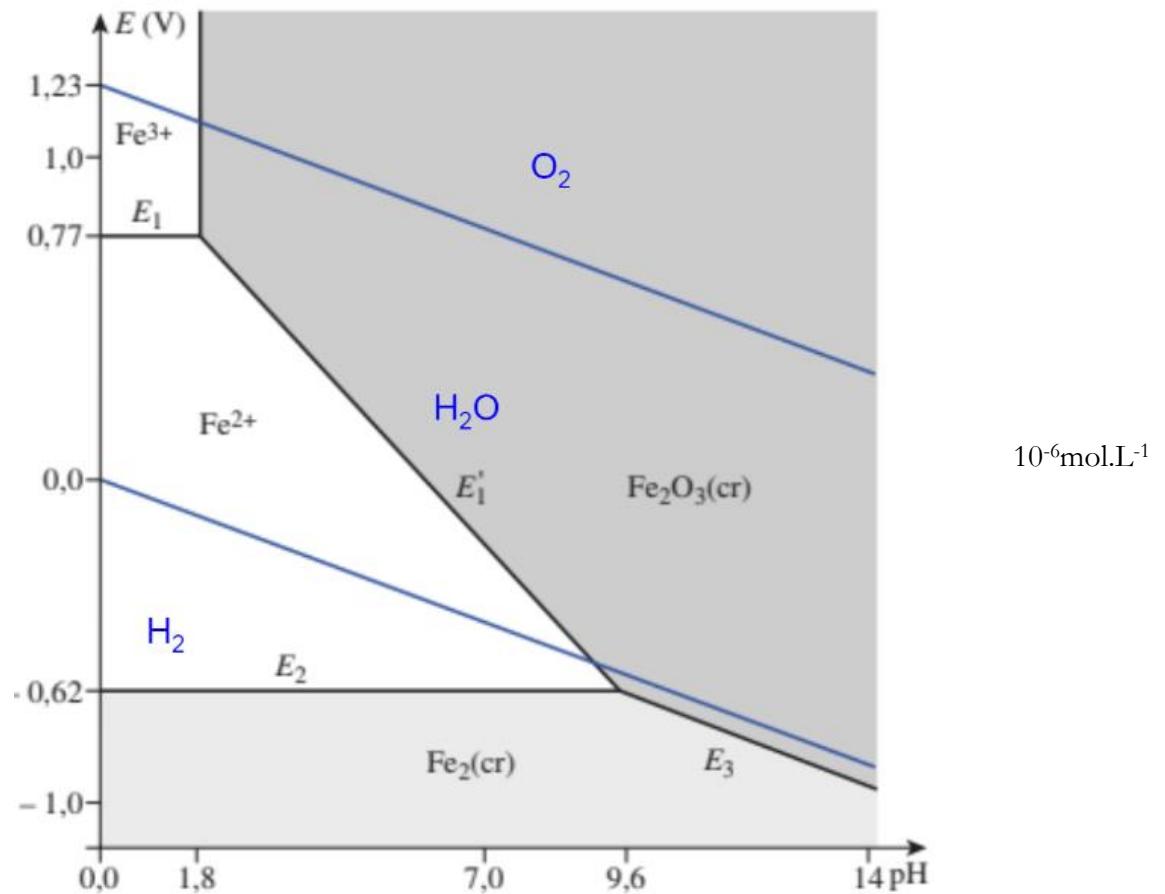
Méthode de Winkler



5^{ème} étape : dosage iodométrique par les ions thiosulfate



Diagrammes du fer et de l'eau



Tout ne se résume pas à la thermodynamique

