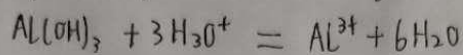


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1. Traitement de la bauxite

1.1. une espèce amphotère acido-basique ~~est~~ est ^{acidique} ~~acide~~ aussi est basique.



1.2. ① Fe^{3+} , $\text{Fe(OH)}_3(\text{s})$, Fe^{2+} , $\text{Fe}(\text{s})$

② $\text{Fe(OH)}_3(\text{s})$, Fe^{2+} , $\text{Fe(OH)}_2(\text{s})$, $\text{Fe}(\text{s})$

③ $\text{Fe(OH)}_3(\text{s})$, $\text{Fe(OH)}_2(\text{s})$, $\text{Fe}(\text{s})$

④

1.3. ~~Al^{3+}~~ $\text{Al(OH)}_3(\text{s}) = \text{Al}^{3+} + 3\text{HO}^-$ $K_s = [\text{Al}^{3+}] \cdot [\text{HO}^-]^3$

$$[\text{Al}^{3+}]_{\text{max}} = 10^{-2} \text{ mol} \cdot \text{L}^{-1}$$

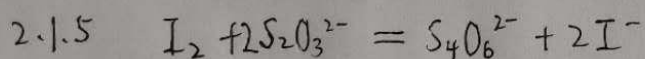
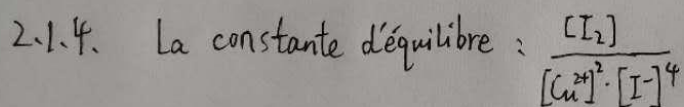
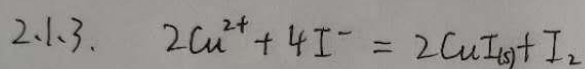
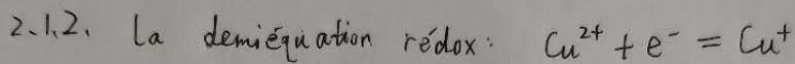
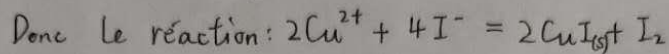
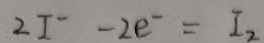
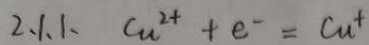
$$\text{Donc } K_s = [\text{Al}^{3+}]^4 = 10^{-8}$$

1.4.

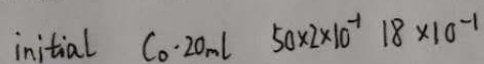
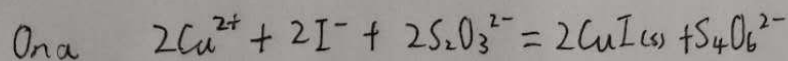
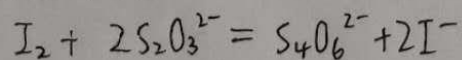
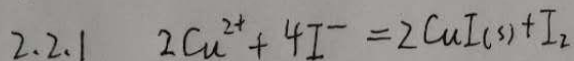


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2. Titrage des ions cuivrique en solution



2. 2



SHOT ON MI 8
AI DUAL CAMERA