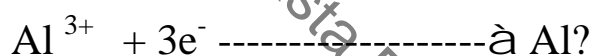


Electrochemistry

1. Give mechanism of electrolysis taking a suitable e.g.?
2. Explain electrolysis of CuSO_4 using copper electrode?
3. Explain Faraday's 1st and 2nd law of electrolysis using e.g.?
4. How many coulombs are required to deposit 50 g of Al when electrode reaction is



5. How many hours it will take to reduce 3 mol of Fe^{3+} to Fe^{2+} with 2 Ampere current?
6. How much energy in terms of Faradays is required to produce 20 g of Ca from molten CaCl_2 (II) 40g of Al from molten Al_2O_3