

Copper Refining: Questions

1. (a) Finish the ionic equations for the changes taking place at the electrodes.



- (b) A cell in the copper purification process has a current of 20,000 A passing through it.

- (i) Calculate the quantity of electricity, in faradays, passed through the cell in 24 hours. (1 faraday = 96,000 C, Relative atomic mass: Cu = 64)

_____ faradays [3]

- (ii) Calculate the mass of copper deposited in the cell in 24 hours.

_____ kg [3]