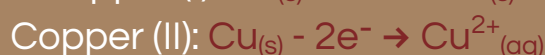


Copper Reactivity: Etching

Answers

1. Copper atoms in a metal have no charge, but copper ions in solution as copper chloride have a positive charge. Write half equations for the formation of copper(I) and copper (II) ions.



2. In the electroplating process copper ions in solution are deposited on the tracks, which are connected to an electrical negative terminal to make them the cathode. Write a half equation with state symbols to describe the process at the cathode

The electron half equation is:



This equation shows the change at the cathode from a positively charged soluble copper ion to an insoluble metal

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