

Stellar Metamorphosis: Star Plasma as Electrolyte During Stellar Evolution

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Abstract: In this paper it is presented a simple reasoning as to why plasma is the electrolyte to facilitate reduction and oxidation reactions during stellar evolution.

During stellar evolution all the plasma of a star recombines into gas and then deposits as liquid/solid structure forming the “planet”. This meaning the “planet” is the ancient star and stellar evolution is the process of planet formation itself. To allow for the vast amounts of chemical redox reactions required to occur it is hypothesized that the plasma of a young hot star acts as the electrolyte. This means that liquids are not required to act as the electrolytic substances during early star evolution.

1. Plasma is comprised of ions, and is it's own electrolyte.