Stellar Metamorphosis: Does the Sun Release or Gain Heat?

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Abstract: A simple question needed to be asked in the star sciences, does the Sun release or gain heat? The answer and its consequences will surprise any interested natural philosopher.

During ionization a particle loses its outer electrons. This process absorbs electromagnetic waves, also known as heat, an endothermic reaction. All endothermic reactions do not radiate heat, they absorb it. During recombination a particle gains electrons meaning it releases heat, thus recombination is an exothermic reaction, or a heat releasing reaction.

Since it is well established that the Sun is releasing heat, it must be undergoing plasma recombination (as it is comprised of plasma). Recombination means the plasma is becoming gas and releasing heat. This means all young hot plasmatic stars will become gaseous stars as long as they radiate! The observations are sound, gaseous stars are real physical entities and can be observed even inside of our own system. The problem is that they are called "planets", Jupiter and Saturn.