

Addition/Correction

**The Chlorate–Iodine Clock Reaction [J.
Am. Chem. Soc. 2005, 127, 18022–18023].**

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The Chlorate–Iodine Clock Reaction [*J. Am. Chem. Soc.* **2005**, *127*, 18022–18023]. André P. Oliveira and Roberto B. Faria*

Recent results on the chlorate–iodine clock reaction (Galadja, M.; Lent, G.; Fábian, I. *J. Am. Chem. Soc.* **2007**, *129*, 7738–7739) demonstrate that the reaction is initiated by UV light from the deuterium lamp employed in the diode-array spectrophotometer. These authors have shown that the UV light dissociates I₂, forming I• radicals that start the autocatalytic clock behavior. We did not consider the effect of light in our original mechanistic interpretation. Based on these new results, the chlorate–iodine reaction is the first example of a clock reaction induced by light, and the mechanism proposed by Galadja, Lent, and Fábian must be used to explain this clock reaction.

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