ON THE COVER: Glowing lightsticks illuminate many chemical concepts: the phenomena involved can readily produce stunning visual effects using easily obtained materials. These effects are controlled by factors such as pH, catalyst concentration, and fluorophore composition. As shown on the cover, multiple chemiluminescent colors are emitted from the same test tube mixture with the addition of fluorescent dye extracts to the liquid contents collected from a glowing white lightstick. The various fluorescent chromophores are extracted from common household items such as food dyes and fluorescent markers. See the article "The Chemistry of Lightsticks: Demonstrations To Illustrate Chemical Processes" (DOI: 10.1021/ed200328d) by Thomas Scott Kuntzleman, Kristen Rohrer, and Emeric Schultz. (Photos by Cassandra I. Lance.)

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dx.doi.org/10.1021/ed300290m

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