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Teaching an Environmental Chemistry Experiment—A Case Study

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ABSTRACT

Here we present the significance, content, results, and teaching effect of a selective self-design experiment – a simple test for measuring the emission spectra of artificial light sources, and discuss its function and potential problems in an environmental chemistry class for undergraduate students. Also, we propose several ways to reform experimental teaching, and provide references to other experimental courses.

KEYWORDS

Self-Design Experiment; Spectrophotometer; Spectrum; High Pressure Mercury Lamp; Deuterium Lamp

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