



Introductory Chemistry Modules: A Guided Inquiry Approach, Preliminary Edition

Joe March, Ken Caswell, Jennifer Lewis

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Introductory Chemistry Modules: A Guided Inquiry Approach, Preliminary Edition, is designed to encourage active and collaborative learning in the classroom using POGIL (Process-Oriented Guided-Inquiry Learning). The philosophy behind the POGIL approach is based on the processes involved in learning, including the need for collaboration when attempting to learn and understand difficult concepts. POGIL is designed to improve student retention rates and to teach students to think analytically and collaboratively in teams, like scientists do, rather than teaching them to memorize important conclusions arrived at by great scientists of the past. The 52 activities in this preliminary edition workbook, a sampling of those that will appear in the complete First Edition for Introduction to Chemistry courses, guide students through self-directed explorations designed to facilitate both content mastery and learning skills. By looking carefully at new problems, constructing logical conclusions based on observations, and discussing the merits of their conclusions with peers, students develop a stronger conceptual understanding of and appreciation for the material. The activities include some of the following sections.

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