



Problem-Solving Exercises in Green and Sustainable Chemistry

Albert S. Matlack, Andrew P. Dicks

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When confronted with a problem in science, the way to proceed is not always obvious. The problem may seem intractable or there may be many possible solutions, with some better than others. **Problem-Solving Exercises in Green and Sustainable Chemistry** teaches students how to analyze and solve real-world problems that occur in an environmental context, and it encourages creativity in developing solutions to situations based on events that have actually taken place.

The problems described in this book are relevant and stimulating in learning and understanding the principles of green and sustainable chemistry. They address various aspects of the field, including:

- Toxicity
- Waste generation and disposal
- Chemical accidents
- Energy efficiency
- New policy development

The final chapter contains proposed solutions to the presented problems and provides commentaries and references to relevant literature.

This book also prompts students to become more comfortable with the idea of multiple "correct" answers to problems. It emphasizes the reality that green chemistry is about making practical decisions and weighing multiple factors that are often conflicting, thus making it difficult or impossible to apply one perfect solution to a given situation. **Problem-Solving Exercises in Green and Sustainable Chemistry** prepares students to solve challenging problems, whether as green chemists, as architects designing energy-efficient buildings, or as environmentally-conscious citizens.

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Regina Noble:

Problem-Solving Exercises in Green and Sustainable Chemistry can be one of your beginning books that are good idea. Most of us recommend that straight away because this book has good vocabulary that may increase your knowledge in terminology, easy to understand, bit entertaining but delivering the information. The writer giving his/her effort to get every word into delight arrangement in writing Problem-Solving Exercises in Green and Sustainable Chemistry but doesn't forget the main stage, giving the reader the hottest and also based confirm resource information that maybe you can be one of it. This great information may drawn you into fresh stage of crucial imagining.

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