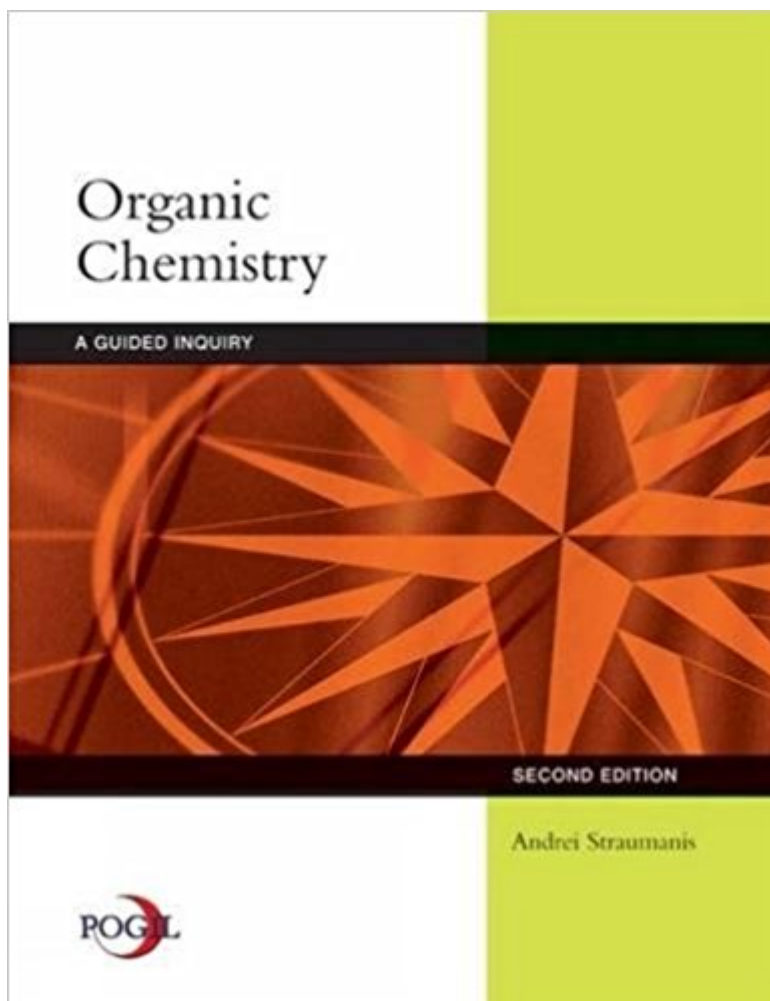


The book was found

Organic Chemistry: A Guided Inquiry



Synopsis

Designed for use as a supplement to a traditional text to encourage active and collaborative learning in the classroom, this student activity book incorporates new methods for teaching chemistry that reflect current research on how students learn. The purpose of the guided inquiry approach is 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. 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. Honing their logical and empirical skills enables students to better pursue not only chemistry, but any other complex sets of ideas.

Book Information

Paperback: 528 pages

Publisher: Brooks Cole; 2nd edition (July 2, 2008)

Language: English

ISBN-10: 0618974121

ISBN-13: 978-0618974122

Product Dimensions: 11 x 8.5 x 0.3 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 stars 20 customer reviews

Best Sellers Rank: #77,867 in Books (See Top 100 in Books) #88 in [Books > Science & Math > Science for Kids](#) #154 in [Books > Science & Math > Chemistry > Organic](#) #391 in [Books > Education & Teaching > Studying & Workbooks > Study Guides](#)

Customer Reviews

Intro Organic Chemistry: a Guided Inquiry. 1. Bond Angles and Shape. 2. Lewis Structures. 3. Electron Orbitals. 4. Polar Bonds, Polar Reactions. 5. Resonance. 6. Alkanes & Alkenes. 7. Cycloalkanes. 8. Addition via Carbocation. 9. Addition via Cyclic Intermediate. 10. Oxidation and Reduction. 11. Addition to Alkynes. 12. Chirality. 13. Substitution. 14. Elimination. 15. Radical Reactions. 16. Synthesis Workshop 1. 17. Conjugation and Molecular Orbital (MO) Theory. 18. Aromaticity. 19. EAS: Electrophilic Aromatic Substitution. 20. Acidity and pKa of Phenols. 21. NAS: Nucleophilic Aromatic Substitution. 22. Synthesis Workshop 2. 23. Addition to a Carbonyl. 24. Carboxylic Acids & Derivatives. 25. Enolate & Enol Nucleophiles. 26. Aldol and Claisen Reactions. 27. Amines. Summary of Synthetic Transformations. Index. Table of pKa Values by Structure.

Andrei Straumanis has a B.A. in Chemistry from Oberlin College and a PhD in organic chemistry from Stanford University. During a three-year NSF-supported post-doctoral fellowship in SMET education, Dr. Straumanis developed and tested materials for guided inquiry organic chemistry. Since 1997, he has given numerous talks and workshops on active learning in organic chemistry and the use of guided inquiry in large classrooms.

I am a high school chemistry teacher looking to do more organic chemistry with my students. The book looks very well done, but for my purposes it is too similar to the two recitation guides, which are better suited for my instruction and for which a solution manual is available.

Quick shipping and just as described!

Good quality and prime condition.

This is such a stupid book! Okay, maybe I'm just bitter because my professor uses it as a 'textbook' when it's more of a workbook. It doesn't explain concepts very well and having the answers to compare to the examples throughout the activities and the exercises is a MUST (I actually learn more from checking my answers than from the explanations they provide). I would only recommend this if you have the textbook and needed extra practice problems.

could be helpful to practice, I think if you have lots of time, you'll find this book very helpful.

decent quality, some coffee stains on the product but it did not effect the use.

Very time consuming class, this book was tough but you need to work through well thought out problems to grasp concepts.

Needed this for my organic chemistry class in college. It was just what I needed.

[Download to continue reading...](#)

Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Organic Chemistry: A Guided Inquiry Guided Meditation: 30 Minute Guided Meditation

for Sleep, Relaxation, & Stress Relief ((Self Hypnosis, Affirmations, Guided Imagery & Relaxation Techniques) Surviving Chemistry Guided Study Book: High School Chemistry: 2015 Revision - with NYS Chemistry Regents Exams: The Physical Setting Experimental Organic Chemistry: A Miniscale & Microscale Approach (Cengage Learning Laboratory Series for Organic Chemistry) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Immigrant Students and Literacy: Reading, Writing, and Remembering (Practitioner Inquiry Series) (Practitioner Inquiry (Paperback)) What is Organic Chemistry? Chemistry Book 4th Grade | Children's Chemistry Books Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Geometry: A Guided Inquiry Organic Homemade Lotion Recipes - For All Skin Types (The Best Lotion DIY Recipes): Lotion Making For Beginners (organic lawn care manual, organic skin care, beauty and the beast) Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry A Microscale Approach to Organic Laboratory Techniques (Brooks/Cole Laboratory Series for Organic Chemistry) Organic Chemistry (with Organic ChemistryNOW) (Available Titles OWL) Cycloaddition Reactions in Organic Synthesis, Volume 8 (Tetrahedron Organic Chemistry) Review of Organic Functional Groups: Introduction to Medicinal Organic Chemistry Organic Structure Analysis (Topics in Organic Chemistry) Guided Mindfulness Meditation: A Complete Guided Mindfulness Meditation Program from Jon Kabat-Zinn Guided Meditation: 30 Minute Guided Meditation for Sleep, Relaxation, & Stress Relief Mindfulness Meditation for Beginners: Learn to Meditate and Become More Mindful with Guided Meditation, Self Hypnosis, Affirmations, Guided Imagery and Relaxation Techniques

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)