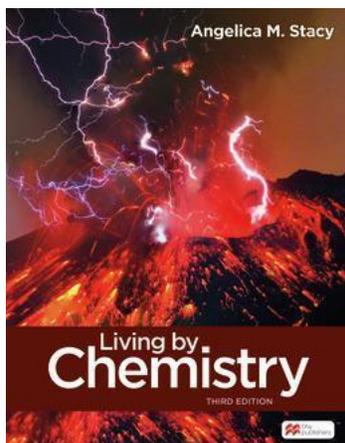


Living by Chemistry (Third Edition)

By Angelica Stacy | 9781319333355



Living by Chemistry (3E) is an on-level chemistry program whose inquiry-based, activity-a-day approach, grounded in NGSS standards, allows students to develop scientific-thinking skills and apply them to chemistry in the real world. Complete with a full set of teacher resources and digital support including an accessible and interactive e-book and online homework. Students learn chemistry in the same way that chemists work – by asking questions, collecting evidence, and thinking like scientists.

Key Features

Employs Guided Inquiry: *Living By Chemistry* uses an inquiry-based approach to encourage students to ask questions and propose explanations based on evidence. This "experience-first" program is supported by daily lesson plans with hands-on activities to guide students' in-class discovery. The student edition then supports in-class activities with at-home reading to further explain concepts.

Engages and Differentiates: *Living By Chemistry's* six units focus on big ideas of chemistry and frame core concepts within every-day, real-world contexts. The hands-on activities support all learners and capture students' interest while improving retention of concepts.

Research Based: *Living by Chemistry* was developed as a National Science Foundation project and is the product of a decade of research and development in high school classrooms focusing on optimizing student understanding of chemical principles.

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Worked Examples: Example Problems and Exercises walk students through problem-solving strategies. Problem sets at every level of the book provide students with many opportunities to practice problem solving. Updated Data and Science to meet state and NGSS standards.

Ideal Preparation for the AP[®] Chemistry Course: Author **Angelica Stacy** assisted in the development of the NGSS standards and served on the AP[®] Chemistry redesign committee. She designed ***Living by Chemistry*** as an introduction for students who will take AP[®] Chemistry or additional college classes. Chapter Openings introduce the main ideas and learning goals of the chapter.

Math Spotlights: Quick reviews of important math topics. Connecting Chemical Concepts feature in Appendices provide helpful support.

English/Spanish Glossary

An unmatched Teacher's Edition: In a traditional wrap around format, the Teacher's Edition for ***Living by Chemistry*** has everything needed to plan and conduct a truly inquiry-based chemistry course, with daily lesson plans following the 5E model, answers to assessments, teaching tips, and links to materials lists, worksheets, and lecture tools. Features include: **Differentiate**, which helps instructors adapt lessons to reach students of all levels. **Pre-AP[®] course tips** to help instructors prepare students to take AP[®] Chemistry., **and so much more!**

Teacher Resources

Teacher's Edition with Online Resources for Living by Chemistry

Angelica M. Stacy | Third Edition | ©2022 | ISBN:9781319484057

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Video Presentation

[BFW - Living By Chemistry Presentation](#)

State of Tennessee - Science Digital Review

Achieve

This contains an interactive and downloadable eBook, resources for both students and teachers, and assessment tools. This course can be used for Chemistry I and Chemistry II

Living by Chemistry 3rd Edition

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VitalSource

This contains the complete online downloadable eBook Student Edition. This link may be used for public review.

Living By Chemistry 3rd edition

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