



# Environmental Science

## for the AP<sup>®</sup> Course, Third Edition

### Tabbing Bookmark

Friedland/Relyea's *Environmental Science for the AP<sup>®</sup> Course* was built from the ground up specifically to suit the needs of AP<sup>®</sup> Environmental Science teachers and students by integrating AP<sup>®</sup> content and exam prep into a comprehensive college-level textbook, providing them with the resources they need to be successful in AP<sup>®</sup> Environmental Science.

#### 100% AP<sup>®</sup> Alignment/Organization *pg. vii-xii*

Focusing on the information required by the AP<sup>®</sup> Environmental Science curriculum and skills needed to be successful in the course and on the exam, this book was developed specifically with AP<sup>®</sup> in mind and **aligns to the 2019 CED**.

#### Chapter Opening Case Studies *pages 33, 195, 683*

The subjects of the case studies will help spark class discussion and are a motivating introduction to the chapter content. The Case Studies help students think about the environmental challenges and trade-offs that are discussed in the chapter.

#### Module Structure *pg. vii-xii, 3, 73, 307*

Chapters are divided into short Modules to help teachers keep on pace. The module approach presents the content to students in digestible chunks that make complex material easier for students to tackle and review.

#### Learning Goals *pg. 73, 320, 670*

A list of key ideas at the beginning of the module helps keep students focused as they read.

#### Running Glossary *pg. 36, 78, 454, GLO-1*

Key terms critical for success on the AP<sup>®</sup> exam appear in bold type in the text, and are defined at the bottom of the page. All terms can be found in the Glossary/Glosário at the end of the book.

#### Do the Math | Your Turn *pg. 84, 200, 455*

Helping students prepare for the quantitative problems on the exam (one of the biggest challenges in AP<sup>®</sup> Environmental Science), **Do the Math** boxes show them how to use the math skills that they need to succeed on the AP<sup>®</sup> Exam, and are followed by a **Your Turn** practice problem, allowing them to reinforce those skills right away.

#### Practice Math and Graphing *pg. 29, 446, 717*

At the end of each chapter, this feature gives students an opportunity to work on their math and graphing skills with problems similar to ones that they will encounter on the AP<sup>®</sup> Exam.

#### Math Review *back end sheets*

Reviews key mathematical concepts from the text.

#### Science Applied *pg. 65, 187, 407*

At the end of each unit, **Science Applied** presents a concept application of a current issue in environmental science related to the chapter, showing students how concepts from the course can be applied to actual environmental problems and be used to explore solutions. Each Science Applied includes a practice **AP<sup>®</sup>-style FRQ** related to the article.

#### Working Toward Sustainability *pg. 27, 179, 676*

At the end of each chapter, the **Working Toward Sustainability** feature describes people and organizations who are addressing environmental problems with positive solutions. Each **Working Toward Sustainability** provides Critical Thinking Questions that give students a chance to hone their text analysis skills.

#### Photos and Illustrations

*pg. 23, 43, 90, 164, 286, 322, 456, 466, 549, 661*

The visual representations in this book are more than just pretty pictures. They have been carefully chosen and developed to help students comprehend learning goals and work with key models. Student focus groups assisted in the formation of the original Friedland/Relyea art program to ensure that information was clear and easily understood.

#### Tables and Graphs *pg. 88, 243, 249, 612*

Tables, graphs, and charts have been created to help students understand and analyze data. Working with these materials will help students develop the ability to read and interpret data presented in a variety of formats.

#### AP<sup>®</sup> Exam Tips *pg. 19, 175, 276, 424, 595*

These tips appear throughout each chapter and highlight key information that will prepare students for the AP<sup>®</sup> exam.

## AP<sup>®</sup> Module Review Questions *pg. 44, 190, 283, 620*

Each module ends with MCQs similar to those on the AP<sup>®</sup> Exam, while helping students solidify their knowledge by reviewing the key concepts of the module. Practicing test-taking strategies for MCQs throughout the year will help students succeed on the AP<sup>®</sup> Exam.

## Chapter Review | Learning Goals Revisited *pg. 100, 402, 566*

At the end of each chapter, the **Chapter Review** makes sure students take the time to review the main ideas and key terms examined throughout the chapter, while **Learning Goals Revisited** allows students to check their notes against summaries of the learning goals for each module in the chapter.

## Chapter AP<sup>®</sup> Practice Exams *pg. 183, 404, 604*

At the end of every chapter, this practice exam will not only help students check their understanding of chapter concepts, but help them become familiar with the style of questions (both MC and FRQ) that appear on the AP<sup>®</sup> Exam.

## Unit AP<sup>®</sup> Practice Exams *pg. 190, 411, 647*

At the end of each of the text's 8 units, students are provided with a longer practice exam containing 20 to 25 MCQs and 2 to 3 practice FRQs — giving them a chance to review material across multiple chapters and practice their test-taking skills.

## Cumulative AP<sup>®</sup> Practice Exams *back of Book (after page 753)*

The text offers two cumulative exams that are fully aligned to the 2019 AP<sup>®</sup> CED with 80 MCQs and 3 FRQs. These exams match the actual AP<sup>®</sup> Environmental Science exam in length and scope, giving students a chance to test their mastery of the content and solidify their test-taking skills.

## Additional Resources



SaplingPlus for *Environmental Science for the AP<sup>®</sup> Course*, Third Edition provides a learning experience replete with text-specific student (and teacher) resources, an interactive e-book, and an online homework system that teaches students through meaningful hints, targeted feedback, and detailed solutions.

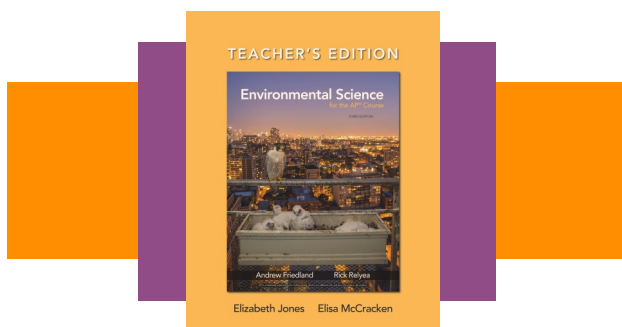
## Strive for a 5: Preparing for the AP<sup>®</sup> Environmental Science Examination Problems

Designed to align with the third edition of Friedland/Relyea's *Environmental Science for the AP<sup>®</sup> Course*, this workbook now includes a Chapter Reading Guide — a detailed step-by-step set of 100-200 questions per chapter to help students with reading comprehension while also providing a thorough review of environmental science and essential tips for test preparation.

## For the Teacher

### Inspire Success with the Teacher's Edition (TE)

Written by Elisa McCracken and Elizabeth Jones, this indispensable guide to teaching the course includes planning tools and just-in-time tips for both new and experienced teachers. Overview pages are inserted at the beginning of each chapter and include a variety of tools to help you plan your lessons. Other features include additional Teaching Tips, Bell Ringers, Math Skills Practice, Labs, Practice Science, additional AP<sup>®</sup> FRQ Practice, AP<sup>®</sup> Tips, Debate the Issue and other activities.



### Teacher's Resource Flash Drive

The Teacher's Resource Flash Drive contains supplementary material to the TE to help teachers maximize their effectiveness in class. It includes exercise handouts, math problems, labs, activities, FRQs, PD videos, lecture presentation slides, web resources, and more!

### ExamView Assessment Suite

This resource includes over 1500 AP<sup>®</sup> practice multiple choice questions of different levels, including questions that require analysis of graphs and other visuals.

Learn more:

[go.bfwpub.com/APES3e](http://go.bfwpub.com/APES3e)