



Environmental Science: A Global Concern (Cunningham)
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Environmental Science: A Global Concern, Tenth Edition, is a comprehensive presentation of environmental science which emphasizes critical thinking, environmental responsibility, and global awareness.

The goal of this book is to provide an up-to-date, introductory global view of essential themes in environmental science along with emphasis on details and case studies that will help students process and retain the general principles. The authors make the text readable and accessible without technical jargon or a presumption of prior science background.

Online Learning Center www.glencoe.com/cunningham10 Contains the following teaching resources: AP Test Questions, AP Instructors Manual, CPS eInstruction, PowerPoint Files, Computerized Test Bank and more.

Features:

Positive Emphasis. The 10th edition includes marked changes in approach as well as a thorough update of topics and data. Among the important changes is an emphasis on positive lessons presented through recent events in environmental science.

Data Analysis Exercises. A Data Analysis box has been added to the end of every chapter. These exercises ask students to graph and evaluate data, to practice looking at numbers and graphs, and to critically analyze what they see.

New case studies and boxed readings. 17 of the 25 chapter opening case studies are new, as are 10 of the boxed readings within chapters. A majority of the case studies and boxed readings in this edition are focused on current events and success stories that display the global progress being made in environmental protection.

Learning outcomes and other pedagogical tools. Chapter material now includes Learning Outcomes presented at the beginning of each chapter and a Reviewing Learning Outcomes section at the end of each chapter. These Learning Outcomes are connected to the major headings of each numbered section within the chapter to help students better organize the content and their study. Each chapter also includes a conclusion, which summarizes major points, and a Practice Quiz to aid in understanding key concepts from the chapter

- **Global Concern Theme.** The text's "global concern" theme is critical because students need to understand that environmental problems and solutions are relevant to all nations and countries and not specific to just North America.
- **Critical thinking emphasis.** Throughout the text, the skill of critical thinking is emphasized by asking the reader to view all sides of an issue and to make informed, rational decisions based on ethical values.

* Case Studies, "Exploring Science" boxes, "What Do You Think?" essays (many with "Ethical Considerations" attached), and "Think About It" boxes give students real-life examples to evaluate and a chance to practice critical thinking skills and formulate reasoned opinions. These boxes are carefully planned to build upon chapter content and are long enough to present important, real information.

* End-of-chapter "Questions for Critical Thinking" are designed to stimulate creative, analytical thinking and to serve as a springboard for class discussions.

C O N T E N T S

Learning to Learn

Part One Principles for Understanding Our Environment

1 Understanding Our Environment

2 Frameworks for Understanding: Science, Systems, and Ethics

3 Matter, Energy, and Life

4 Evolution, Biological Communities, and Species Interactions

5 Biomes: Global Patterns of Life

6 Population Biology

Part Two People in the Environment

7 Human Populations

8 Environmental Health and Toxicology

9 Food and Agriculture

10 Pest Control

Part Three Understanding and Managing Living Systems

11 Biodiversity: Preserving Species

12 Biodiversity: Preserving Landscapes

13 Restoration Ecology

Part Four Physical Resources and Environmental Systems

14 Geology and Earth Resources

15 Air, Weather, and Climate

16 Air Pollution

17 Water Use and Management

18 Water Pollution

Part Five Issues and Policy

19 Conventional Energy

20 Sustainable Energy

21 Solid, Toxic, and Hazardous Waste

22 Urbanization and Sustainable Cities

23 Ecological Economics

24 Environmental Policy, Law, and Planning

25 What Then Shall We Do?

