



## Environmental Science B: Full Course Summary

This is a full-credit course intended for a student taking the course for the first time. The student will be expected to cover all material in the course.

### Course Summary

This is the second of two courses that comprise Environmental Science. This course offers the student an opportunity to gain an understanding of the concepts fundamental to environmental science. These concepts are keys that will help unlock our abilities to safeguard resources, manage waste, reduce pollution, protect the food chain, adapt to changing fuel needs, and champion our planet on all levels — from the conscientious management of the smallest household to the protection of the largest biospheres.

In the second course of Environmental Science, students learn about environmental programs and policies, including waste management and conservation. Students study the effect of environmental organizations as well as government agencies charged with protecting the environment. The final unit examines technology and its impact on the environment; topics include energy production, modern agriculture, and public land management.

**Prerequisites:** Successful Completion of Environmental Science A

### Unit 1: Environmental Science Programs and Policies

The United States has several agencies and departments that are dedicated to monitoring and protecting the nation's natural resources. In this unit, you will learn about how these local and federal agencies work together to effect policy changes, regulate environmental concerns, and prevent further harm to the environment as we move into the future.

#### Lessons

1. Policies and Agencies
2. Recent Policy Changes and Energy Issues
3. Local Environmental Agencies
4. International Environmental Concerns
5. Environmental Groups and Regulatory Violations
6. Planning Conservation
7. Waste Management
8. Composting
9. Space Waste
10. Transportation Challenges

### Unit 2: Earth's Processes

There have been many recent advancements in environmental science technology. Many of the previous methods of energy and fuel production have caused harm to the world around you. Today, there are new and innovative methods geared towards preserving and protecting the

environment. In this unit you will examine these technological advances and learn how environmental science is changing.

**Lessons**

1. Standard Electric Energy Production Methods
2. New Energy Production Methods
3. Fuel Production and Transport Problems
4. United States Agriculture
5. Modern Agriculture and New Technology
6. Less Pesticides and More IPM
7. Genetically Modified Organisms (GMOs)  
Grazing and Public Land Management
8. New Environmental Uses of Corn
9. It's All Up to You!

**Unit 3: Final Review and Exam**

In this unit, you will have the opportunity to prepare for and take the final exam. The final exam may include any material that has been presented throughout the semester. Since this is a comprehensive exam, it may be helpful to organize your notes before you begin to review.

**Lessons**

1. Environmental Science B Final Review
2. Environmental Science B Final

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