

# Biodiversity and Conservation

## Before You Read

*Before you read the chapter, respond to these statements.*

1. Write an **A** if you agree with the statement.
2. Write a **D** if you disagree with the statement.

Before You Read	Biodiversity and Conservation	After You Read
	<ul style="list-style-type: none"> <li>• Biodiversity is the variety of ecosystems in the biosphere.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Genetic diversity tends to decrease over time in small pieces of habitat.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Nonnative species can damage an ecosystem.</li> </ul>	
	<ul style="list-style-type: none"> <li>• The first national park was established in the United States in 1972.</li> </ul>	

### Science Journal

*For many years the bald eagle was close to extinction but now lives and reproduces in the wild. Hypothesize how scientists used their knowledge of diversity to save the bald eagle.*

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# Biodiversity and Conservation

## Section 1 Biodiversity

### Main Idea

### Details

**Skim** Section 1 of the chapter. Read the headings and the illustration captions. Write two questions that come to mind.

1. \_\_\_\_\_

2. \_\_\_\_\_

### Review Vocabulary

Use your book or dictionary to define gene.

*gene*

\_\_\_\_\_

### New Vocabulary

Use your book or dictionary to define each term.

*extinction*

\_\_\_\_\_

\_\_\_\_\_

*biodiversity*

\_\_\_\_\_

\_\_\_\_\_

*genetic diversity*

\_\_\_\_\_

\_\_\_\_\_

*species diversity*

\_\_\_\_\_

\_\_\_\_\_

*ecosystem diversity*

\_\_\_\_\_

\_\_\_\_\_

### Academic Vocabulary

Define diverse and use it in a sentence.

*diverse*

\_\_\_\_\_

\_\_\_\_\_

**Section 1 Biodiversity** (continued)

**Main Idea** \_\_\_\_\_

**Details** \_\_\_\_\_

**What is Biodiversity?**

*I found this information on page \_\_\_\_\_.*

**Compare and contrast** *the species biodiversity of different areas.*

	Rain Forest	Corn Field	Vegetable Garden	Tundra
Plants				
Animals				

**Describe** *observable differences among the types of biodiversity using a forest ecosystem.*

Type of Biodiversity	Example
Genetic diversity	
Species diversity	
Ecosystem diversity	

**Analyze** *how genetic diversity in a population of fishes in a stream can help the fishes resist disease.*

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**Section 1 Biodiversity** (continued)

**Main Idea** \_\_\_\_\_

**Details** \_\_\_\_\_

**The Importance of Biodiversity**

*I found this information on page \_\_\_\_\_.*

**Summarize** why species should be preserved as a possible source of useful genes.

	<b>Agriculture</b>	<b>Medicine</b>
Organisms that might have value include		
These organisms someday might be useful as		

**Identify** resources and services that a healthy biosphere provides to people.

<b>Resources</b>	<b>Services</b>
1.	1.
2.	2.
3.	3.
4.	4.

**Organize** how humans are dependent on plants and animals by describing two ways that you use products of each.

<b>Products of Animals</b>	<b>Products of Plants</b>

**SUMMARIZE**

Explain how the health of the biosphere impacts the health of people.

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