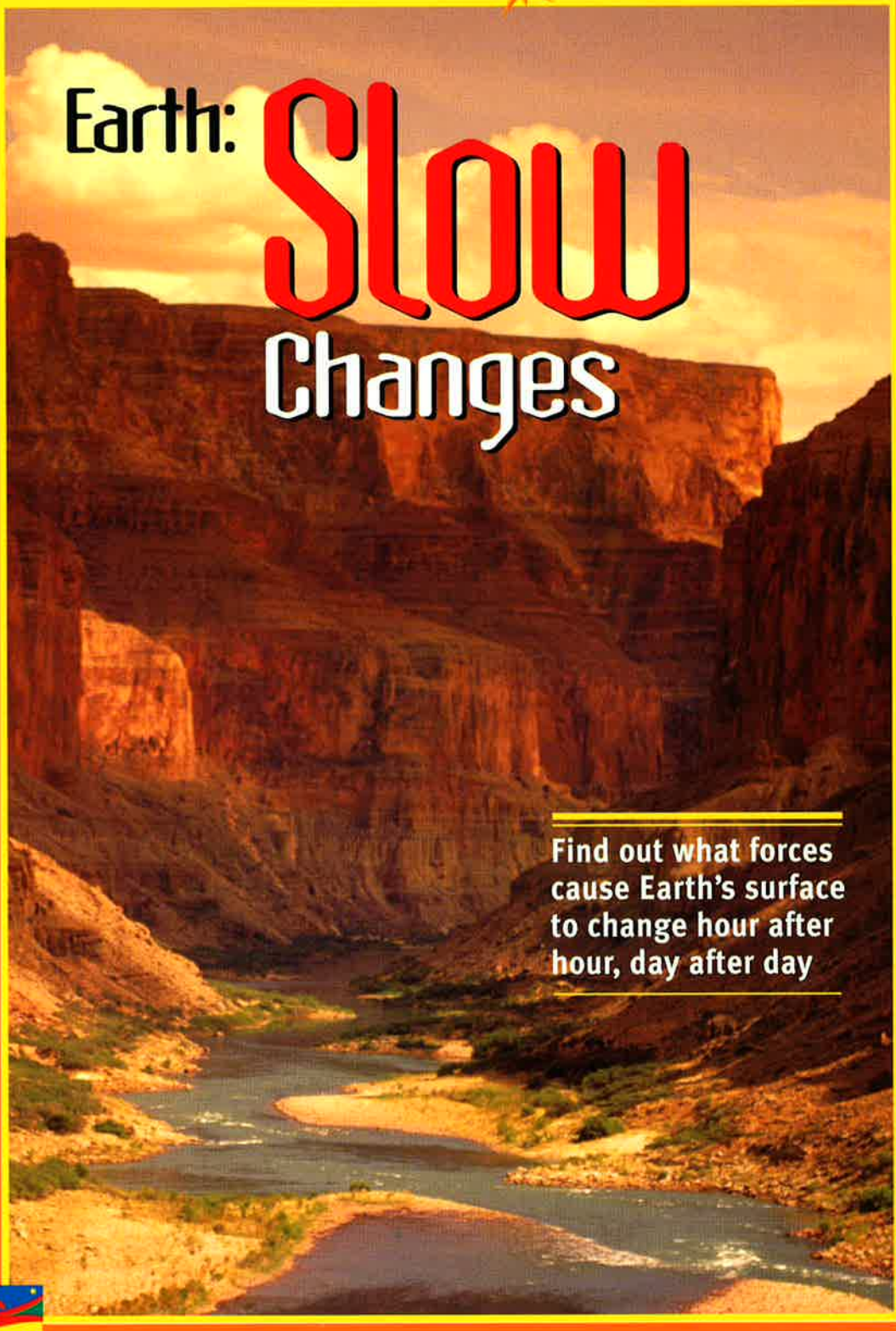
BRIDGES™

Earth: Slow Changes



Find out what forces cause Earth's surface to change hour after hour, day after day

MELISSA MCDANIEL

Benchmark EDUCATION

SCIENCE
What Changes Our Earth
Level 24 L

For teachers' inspection ONLY

READING
Comprehension Skill:
Compare and Contrast

As you read, look for ways to compare and contrast slow changes that occur on Earth.

Phonics/Word Study:
Comparatives

Look for comparatives, like **deeper** and **deepest**. Comparatives are words that describe how people, places, and things differ.

Look for these text and graphic features.

Text Features

- Table of contents
- Introduction
- Sidebars
- Conclusion
- Glossary
- Index
- Information about the author
- Vocabulary words in boldfaced type
- Captions for photos, diagrams, and illustrations
- Checkpoints. Check yourself to see that you understand what you have read. Pages 16, 29

Graphic Features

- Photographs
- Charts. Pages 5, 30

SCIENCE
The Big Idea:

This book describes how slow changes on Earth cause erosion. It explains how glaciers, water, and wind can change the face of Earth over time.

Look for these special information features.

Content Sidebars

- It's a Fact. Interesting facts about erosion. Pages 2, 5, 8, 25, 27
- Solve This. Solve these math problems to learn more about erosion. Pages 11, 13
- Everyday Science. See how science is part of your daily life. Pages 9, 17
- Careers in Science. Learn about jobs for people interested in erosion. Page 19
- They Made a Difference. Meet people who are important to the study of erosion. Page 13

Content Vocabulary

canyon	dune	geologist
delta	erosion	glacier
drumlin	fossil	volcanic

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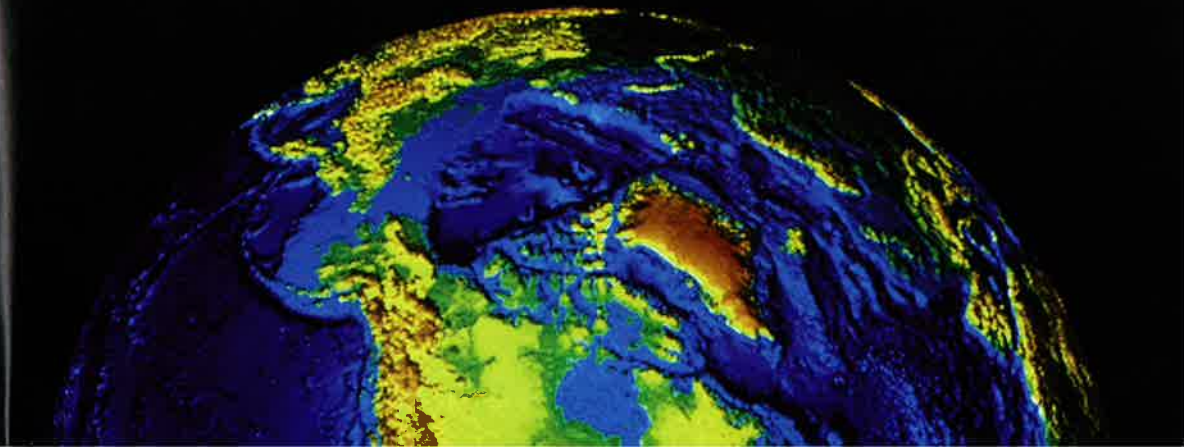
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Earth: Slow Changes

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by Melissa McDaniel

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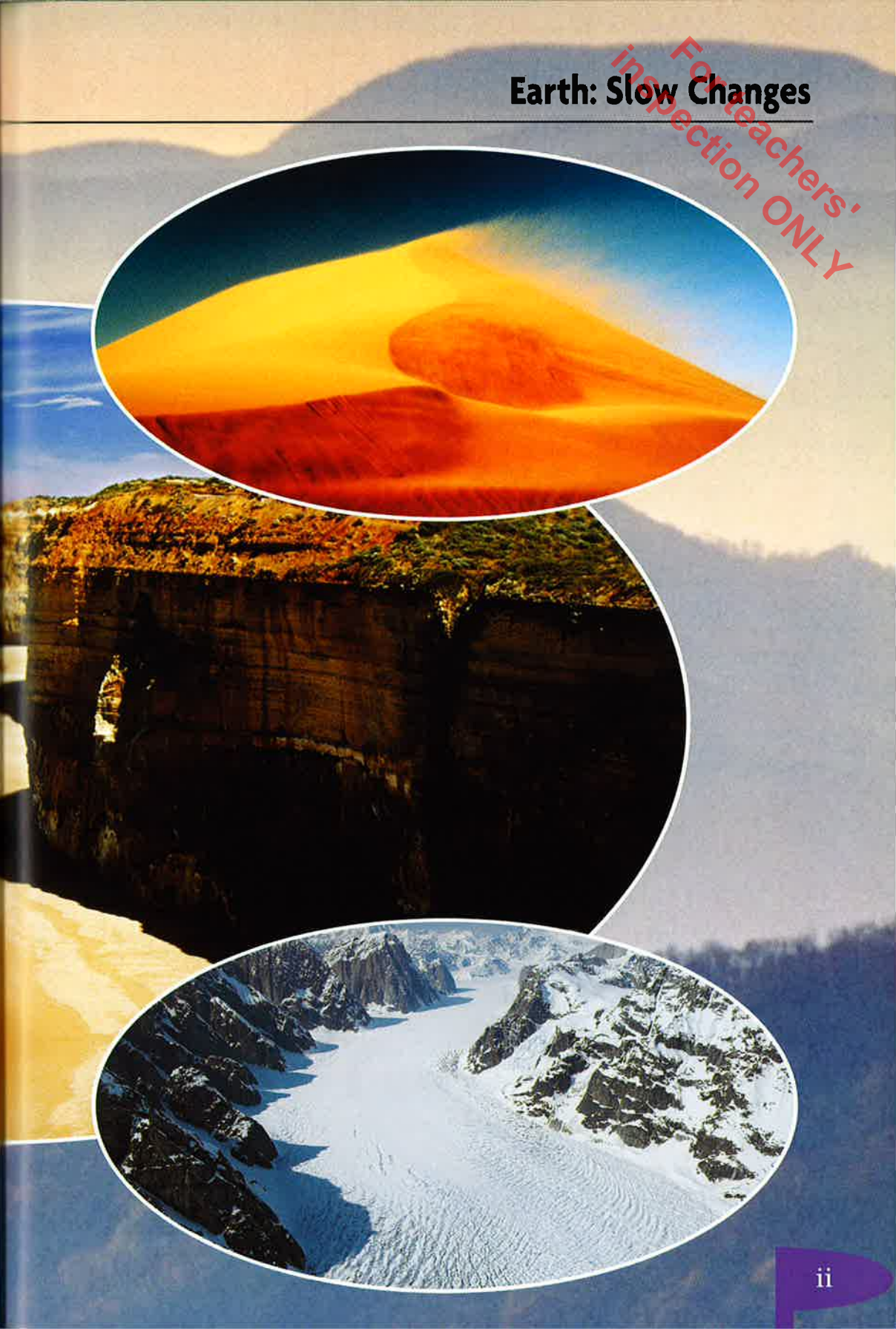


Pictures To Think About

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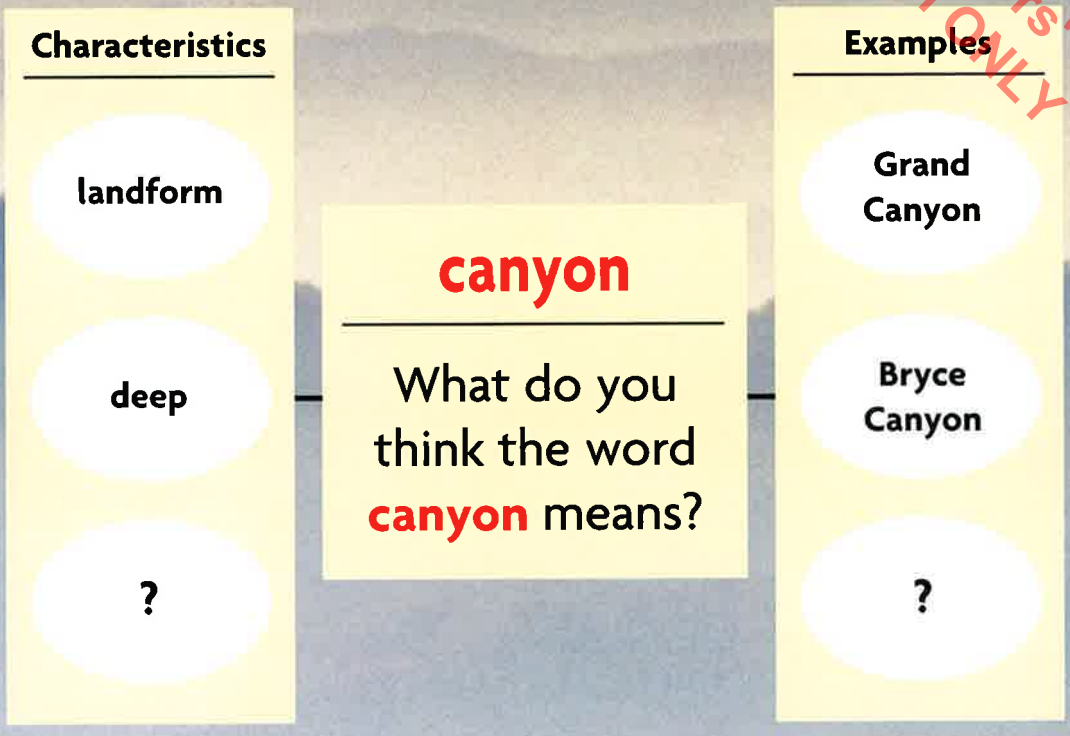


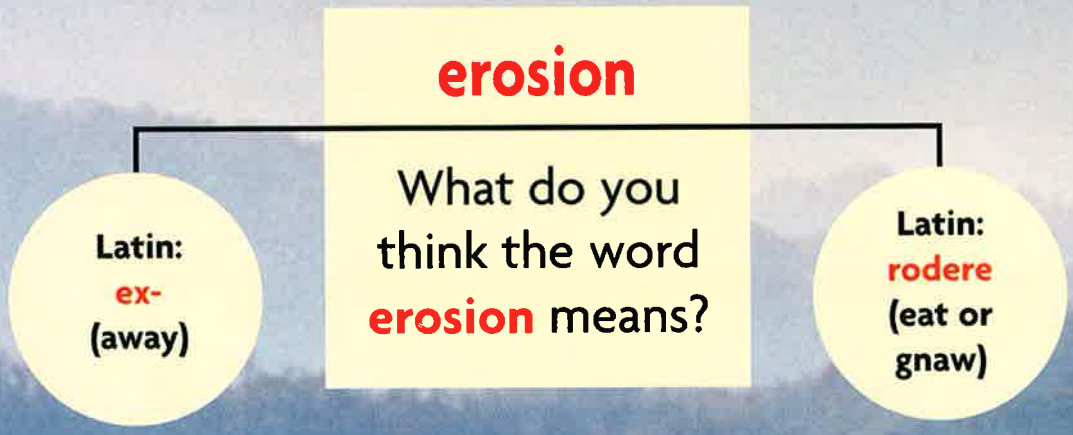
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Words To Think About

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Read for More Clues
canyon, page 6
erosion, page 2
glacier, page 4

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glacier

What do you think the word **glacier** means?

What is a **glacier** made of?

- ice
- ?
- snow

What does a **glacier** do?

- moves very slowly
- ?
- wears away land



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Introduction

Pick up a rock. Does it feel hard? A rock can crush things. What about rain? Does it seem powerful? No? Over time, rain can wear away rock.

Think about it. Rain hits the ground. Raindrops break tiny bits of dirt and rock loose. The drops carry the tiny bits with them. The bits slowly wear away Earth's surface.

Wind and ice wear away Earth, too. This wearing away is called **erosion** (ih-ROH-zhun). Read on to find out how erosion has slowly changed Earth.

It's a Fact

The Appalachian Mountains once rose higher than 30,000 feet. Over millions of years, erosion wore them away. Now the highest point in the Appalachians is just 6,684 feet.