BRIDGES™

Our Solar System: THE SUN



- What is the sun?
- How hot is it?
- What is an eclipse?

GARY RUSHWORTH

Benchmark EDUCATION

SCIENCE
The Solar System
Level 20 K

For teachers' inspection ONLY

READING

Comprehension Skill:
Main Idea and Supporting Details

As you read, ask yourself what details are connected. Use those details to identify the main ideas.

Phonics/Word Study:
Closed Syllables

Look for words with closed syllables, like **planet**. A closed syllable ends in a consonant and usually has a short vowel sound.

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 18, 21

Graphic Features

- Photographs
- Labeled diagrams. Pages 4, 5, 6, 7, 11, 17, 19
- Chart. Page 19

SCIENCE

The Big Idea:

This book describes the sun and our solar system.

Look for these special information features.

Content Sidebars

- It's a Fact. Pages 3, 12, 18
- Everyday Science. Pages 7, 11
- Historical Perspective. Page 5
- Math Matters. Page 4
- They Made a Difference. Pages 8–9

Content Vocabulary

convective zone	equator	orbit	solar prominence
core	heliocentric	photosphere	solar wind
corona	helium	radiative zone	sunspot
eclipse	hydrogen	solar flare	

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by Gary Rushworth

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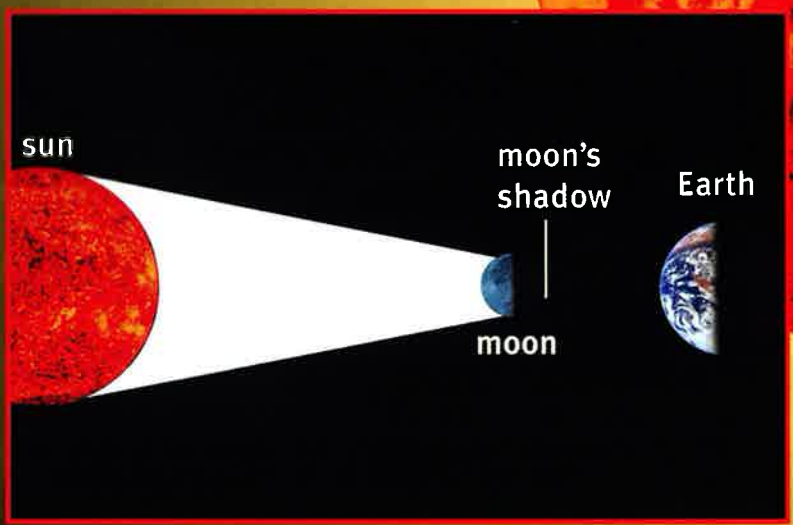
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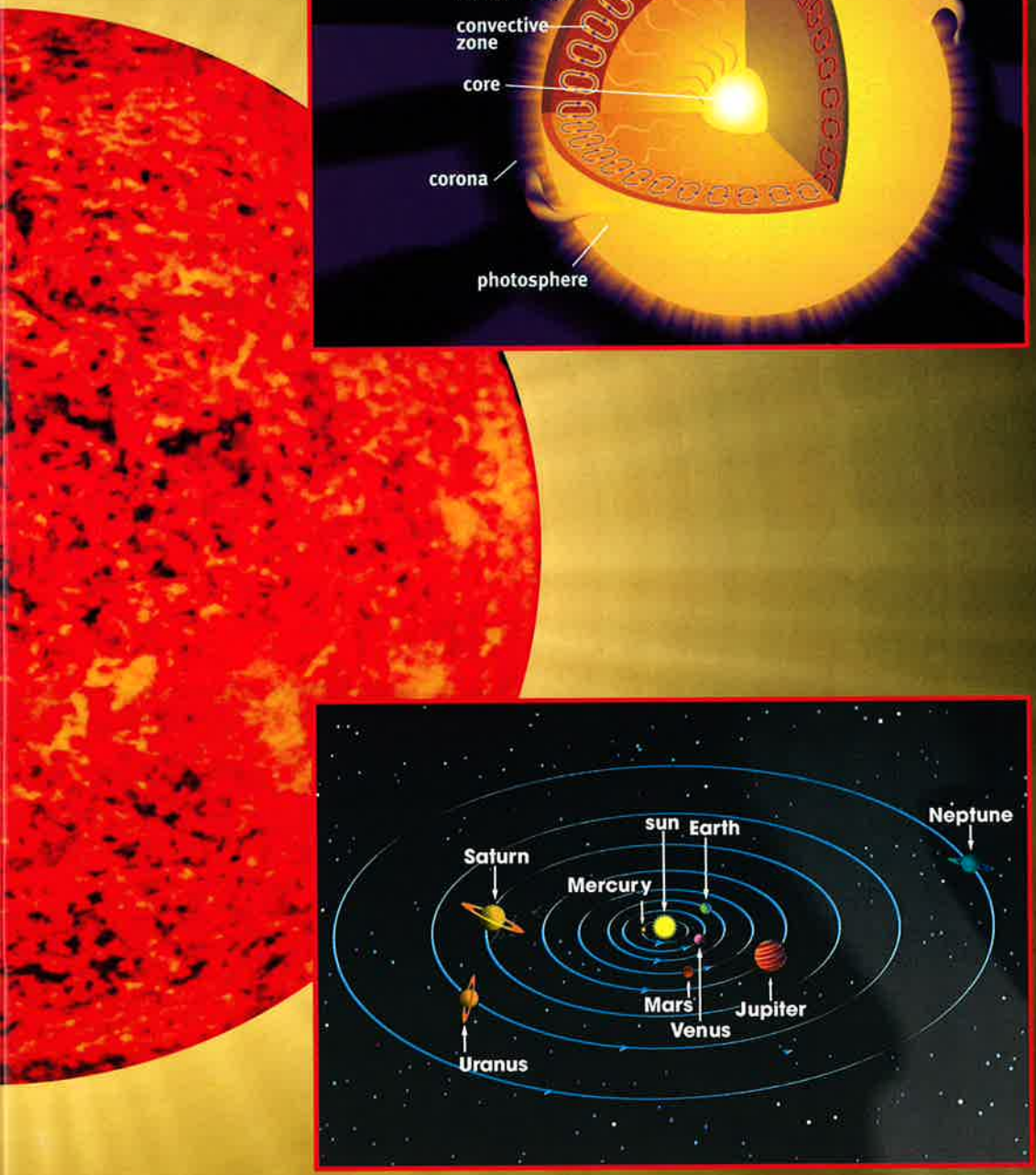
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Words To Think About

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eclipse

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

Characteristics

- moon blocks the sun
- happens every year
- ?

Examples

- annular eclipse
- total eclipse
- ?

heliocentric

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

Greek: helios (sun)

Greek: kentrikos (center)

Read for More Clues
eclipse, page 16
heliocentric, page 9
orbit, page 5

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orbit

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

What things **orbit** the sun?

- Mars
- ?
- Earth

What happens as Earth **orbits** the sun?

- Earth travels
- ?
- seasons change



Introduction

For teachers' instruction ONLY

The sun is important. Plants need the sun. Animals need the sun. People need the sun, too. The sun makes life on Earth possible.

The sun gives us light. The sun gives us energy. The sun warms the air around us. It warms the water, too. It affects the weather.

The sun helps us track time. It also controls the seasons.

