BRIDGES™

Mars and Venus: Space Exploration



Find out what Mars and Venus can tell us about our own planet.

MICHAEL TEITELBAUM

Benchmark EDUCATION

SCIENCE & MATH
The Universe
Level 40 R

READING

Comprehension Skill:

Draw Conclusions

As you read, look for many clues and pieces of evidence that help you draw conclusions. Conclusions are not stated in the book but have enough evidence to be proven.

Phonics/Word Study:

Open Syllables

As you read, look for words with open syllables, like **review**. An open syllable ends in a vowel and usually has a long 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 6, 28

Graphic Features

- Photographs
- Time line. Page 29
- Map. Page 10
- Labeled diagram. Pages 2–3
- Charts and graphs. Pages 3, 5 7, 9, 15, 25

SCIENCE

The Big Idea:

Learn how scientists have explored the two planets closest to Earth using spacecraft and robots.

Look for these special information features.

Content Sidebars

- It's a Fact. Pages 17, 26
- Solve This. Pages 5, 7, 9, 15, 25
- Q & A. Page 14
- Everyday Science. Page 24
- Careers. Page 20
- In Their Own Words. Page 16
- In My Opinion. Page 19

Content Vocabulary

crater
flyby
global warming
gravity
high-resolution
lander
meteor
orbiter
pressurized
probe
radiation
rover
satellite
solar array
super pan

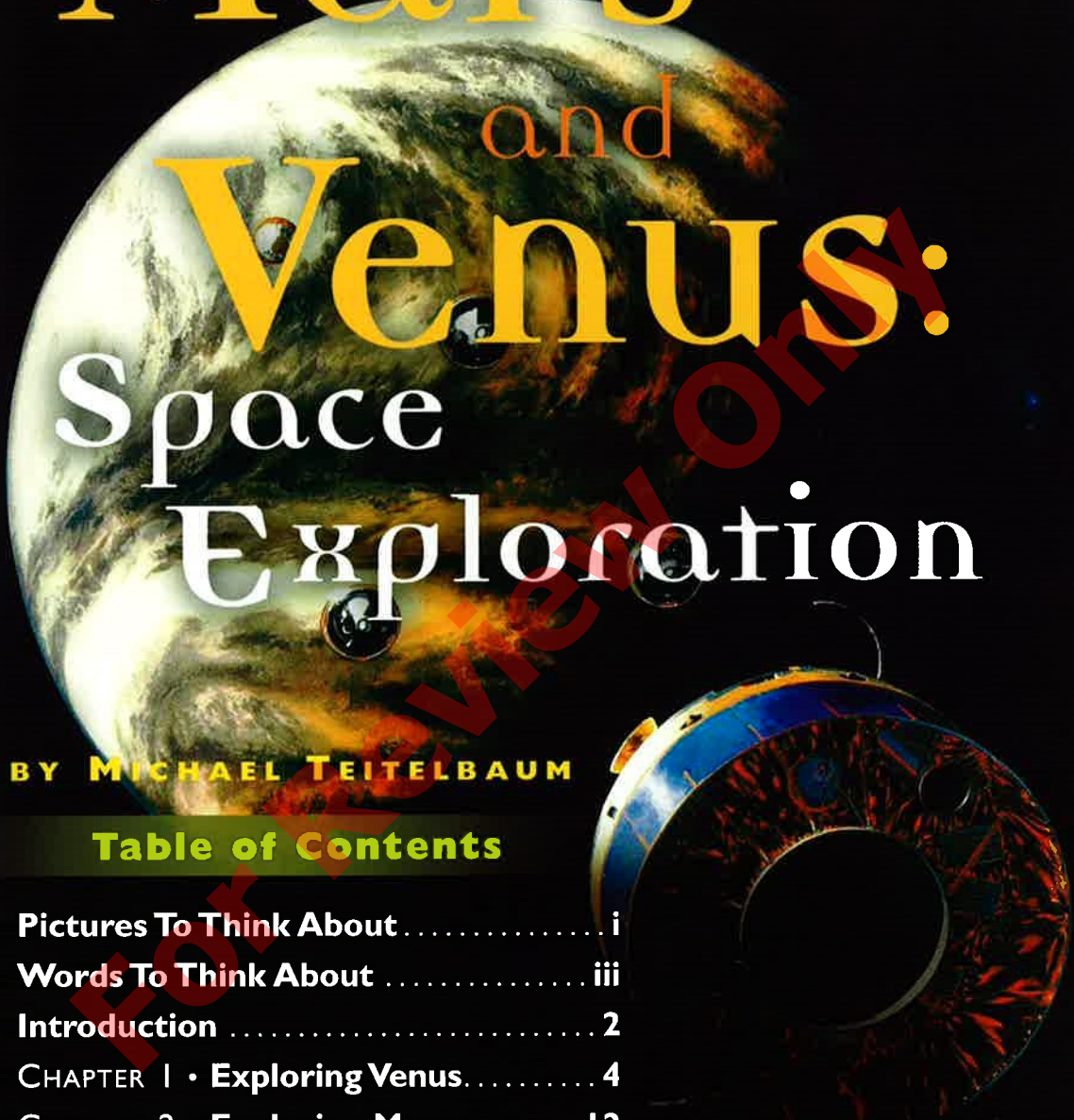
For Review Only

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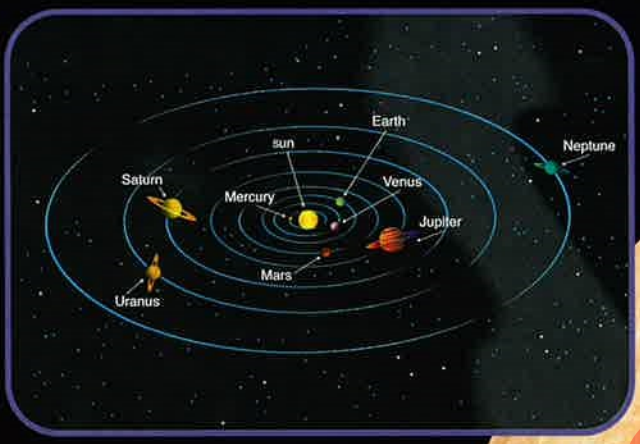
BY MICHAEL TEITELBAUM

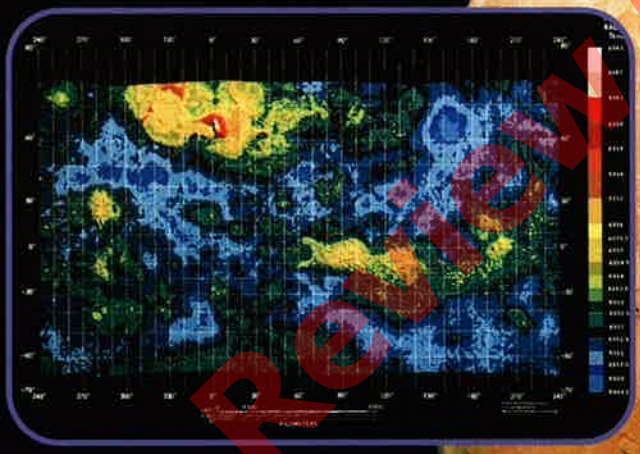
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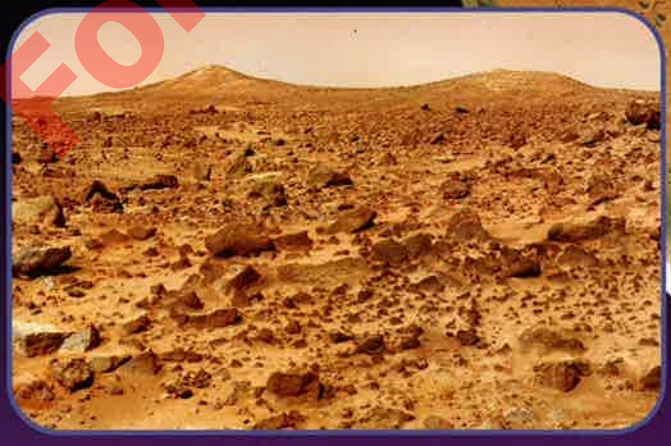
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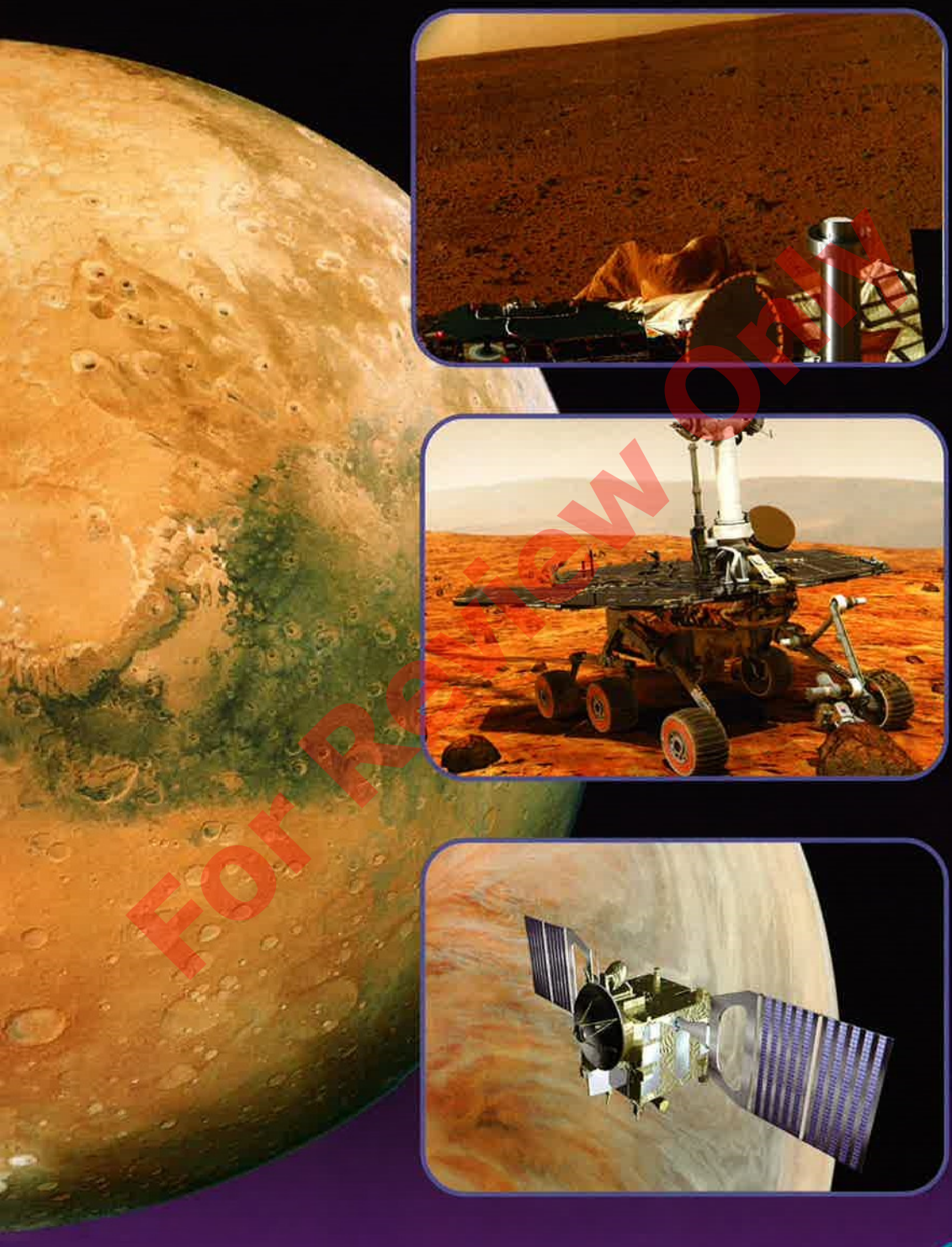
Pictures To Think About





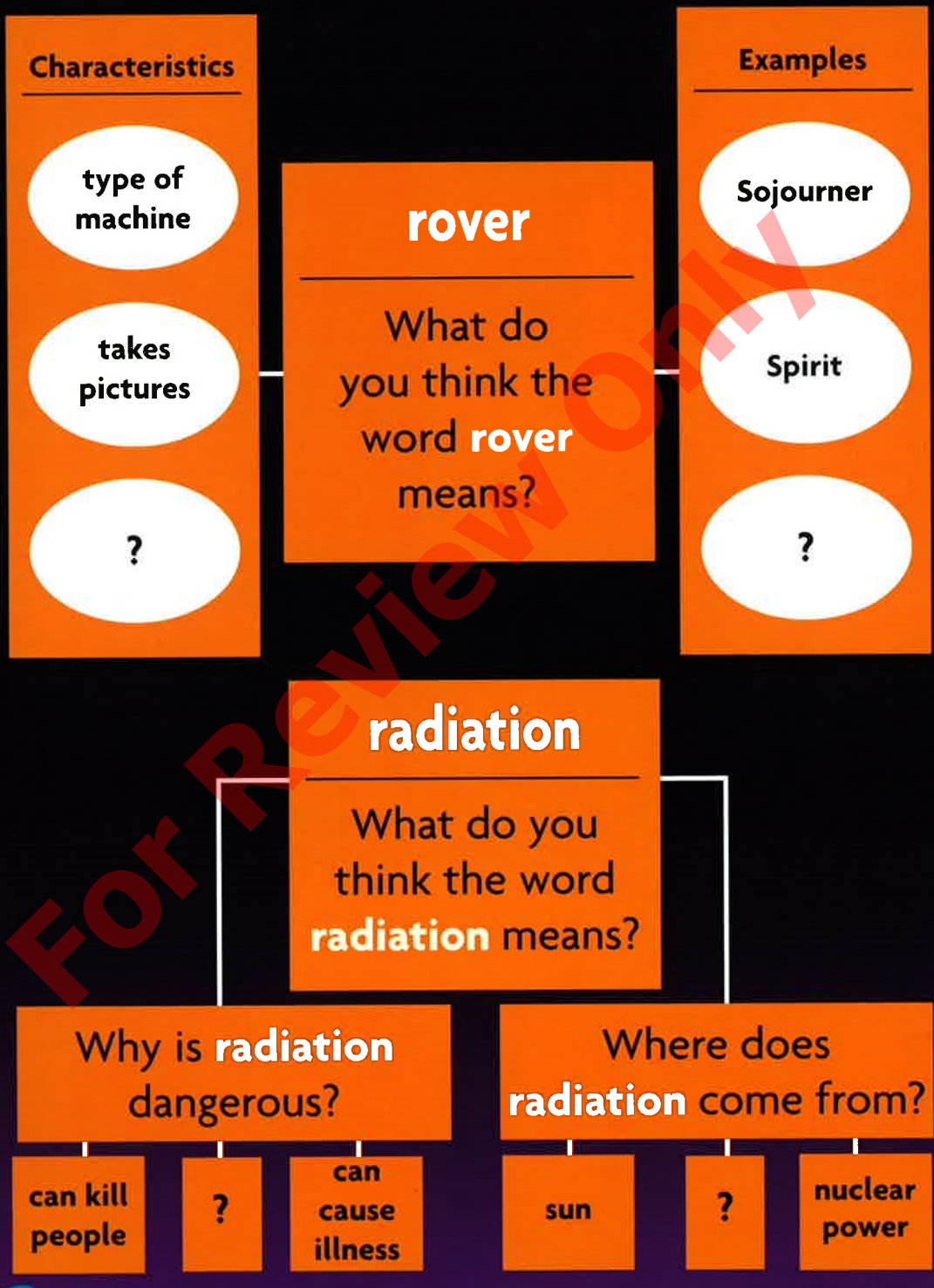


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Words To Think About



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Read for More Clues
radiation, page 26
rover, page 17
satellite, page 6

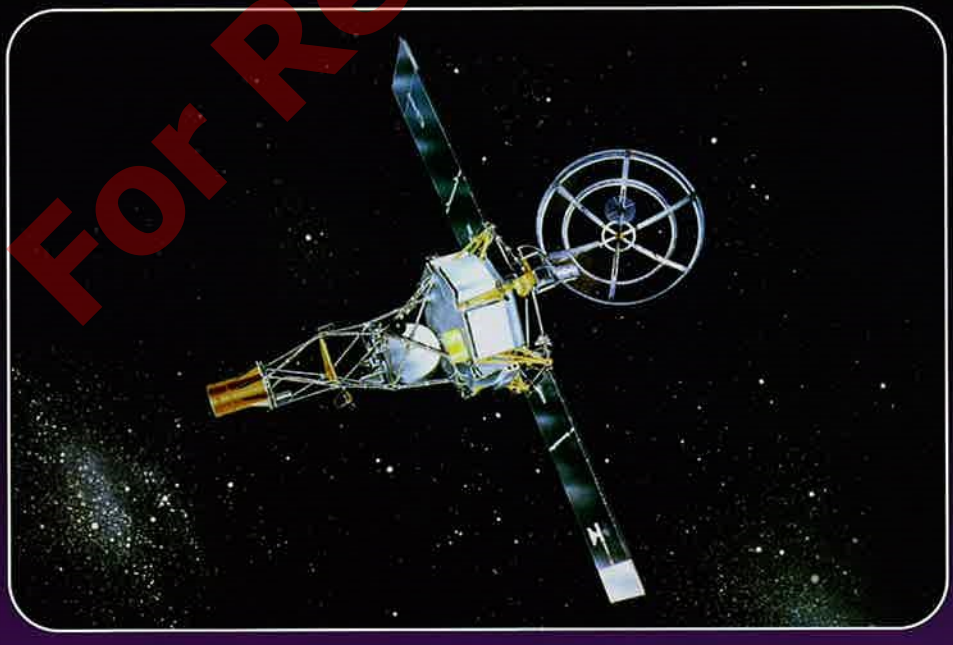
satellite

What do you think the word **satellite** means in this book?

Meaning 1
a nation controlled by another country (noun)

Meaning 2
an object that orbits a larger heavenly body (noun)

Meaning 3
a small office far from the main office (noun)



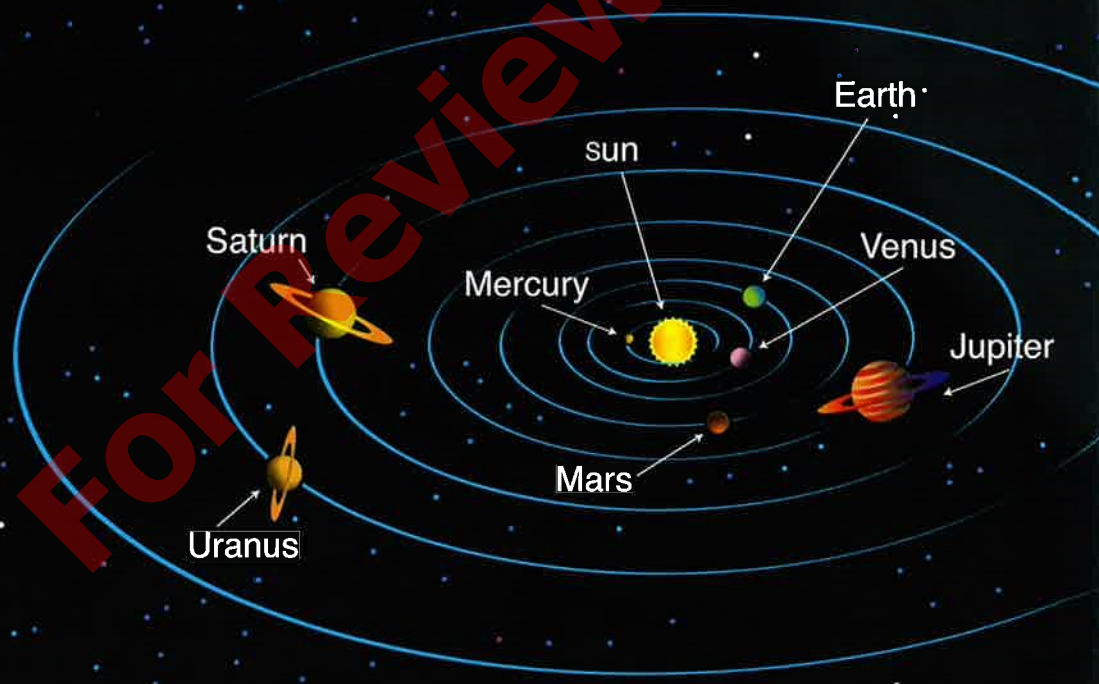
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Introduction

Are you curious about the world around you? Do you ask questions? Do you like to find out about new things? Long ago, curiosity led people to explore Earth.

Today, the same curiosity leads us to explore space. We want to learn about the moon and the sun. We want to know about the planets, too.

For Review Only



▲ **Here are the eight planets of our solar system. Compare each planet's average distance from the sun.**