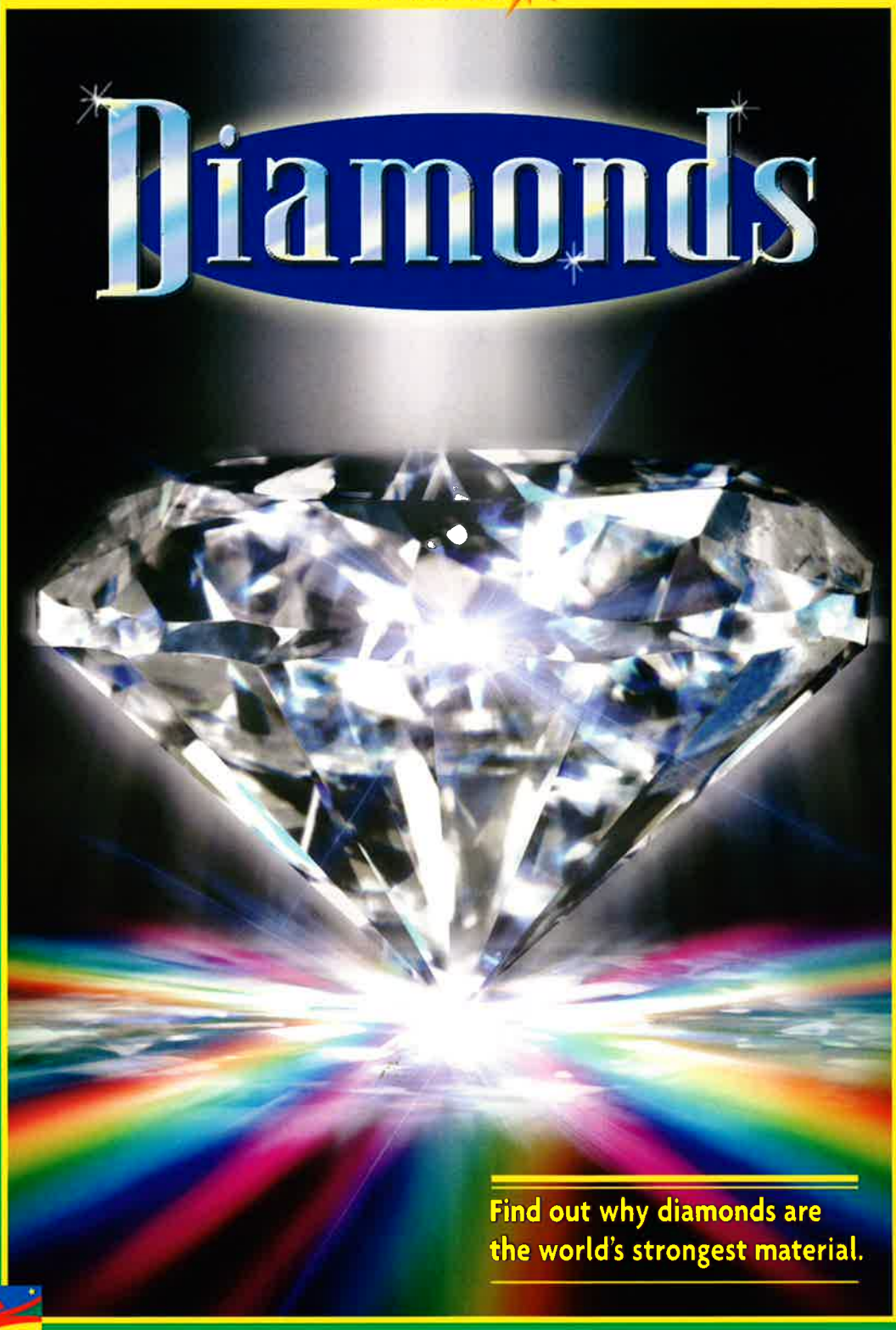
BRIDGES™

Diamonds



Find out why diamonds are the world's strongest material.

ELLEN UNGARO

Benchmark EDUCATION

SCIENCE
Rocks and Minerals
Level 30 N

For teachers' inspection ONLY

READING

Comprehension Skill:
Evaluate Fact and Opinion

As you read, look for facts and opinions that help you think about diamonds. Remember, opinions are what people think or believe. Facts can be proven.

Phonics/Word Study:
r-controlled **a**

As you read, look for words with **r**-controlled **a**, like **artifacts**. This sound in a syllable rhymes with the word **car**.

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, 13

Graphic Features

- Labeled diagrams. Pages 7, 8, 17
- Photographs
- Charts. Pages 4, 6, 22
- Map. Page 10
- Time line. Page 30
- Graph. Page 16

SCIENCE

The Big Idea:
This book describes diamonds. Learn about how diamonds are mined, and find out where these valuable minerals come from.

Look for these special information features.

Content Sidebars

- Everyday Science. Page 10
- Historical Perspective. Page 15
- Eyewitness Account. Page 15
- It's a Fact. Pages 20, 25, 26
- They Made a Difference. Page 21
- Careers. Page 23
- Math Matters. Page 29

Content Vocabulary

atom	erode	mineral	refract
carat	kimberlite pipe	primary deposit	secondary deposi
crust	luster	property	synthetic
element	mantle		

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Diamonds

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Pictures To Think About

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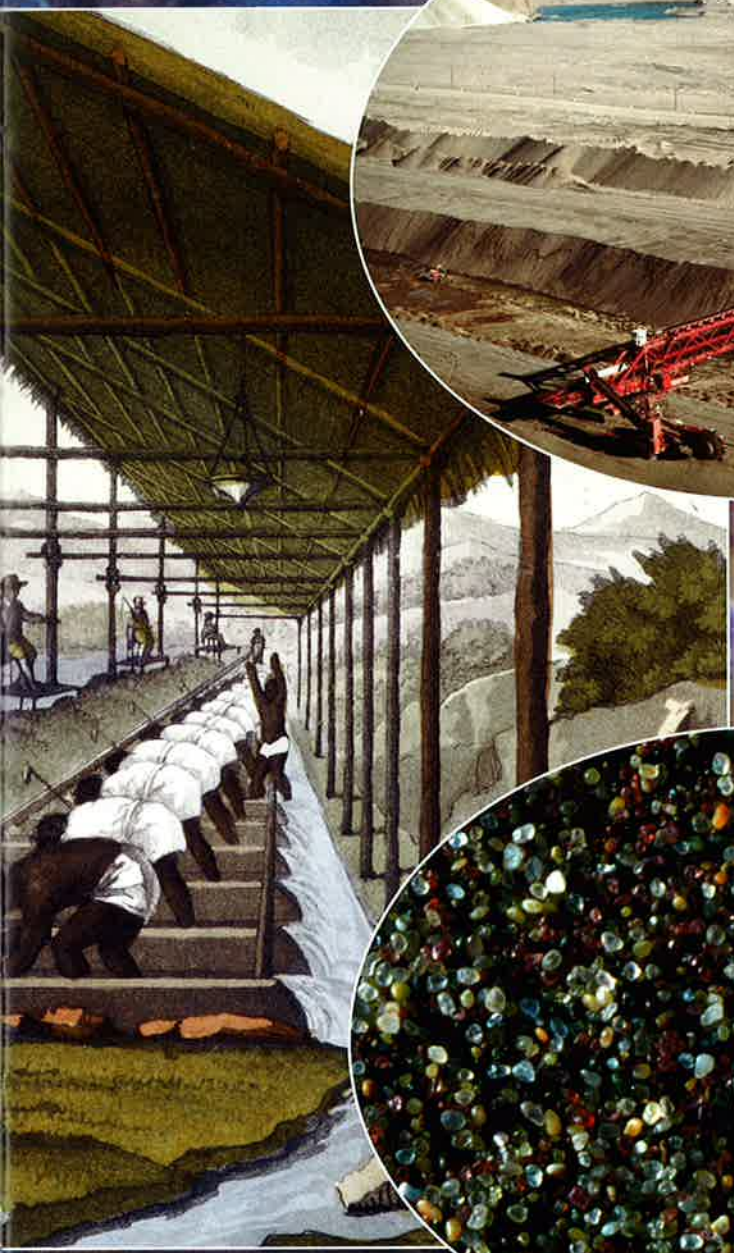






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Words To Think About

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crust

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

Meaning 1
dough on a pie
(noun)

Meaning 2
the crisp outer part of bread
(noun)

Meaning 3
Earth's rocky outer layer
(noun)

synthetic

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

Greek:
syn
(together)

Greek:
tithenai
(put or place)

Read for More Clues
crust, page 8
kimberlite pipe, page 9
synthetic, page 28

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kimberlite pipe

What do you think the term **kimberlite pipe** means?

Where can you find a **kimberlite pipe**?

- deep inside Earth
- ?
- South Africa

What does a **kimberlite pipe** carry?

- molten rock
- ?
- diamonds



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Introduction



When did people first discover diamonds? No one knows for sure. The first tales about diamonds were told in India more than 2,000 years ago. Early stories tell us that people thought diamonds were special. One myth said that diamond seeds grew from a king's bones.

For a long time, only royalty owned diamonds. Kings and queens wore diamond crowns and jewelry.



The British Queen Mother's crown features a huge diamond called the Koh-i-Noor.