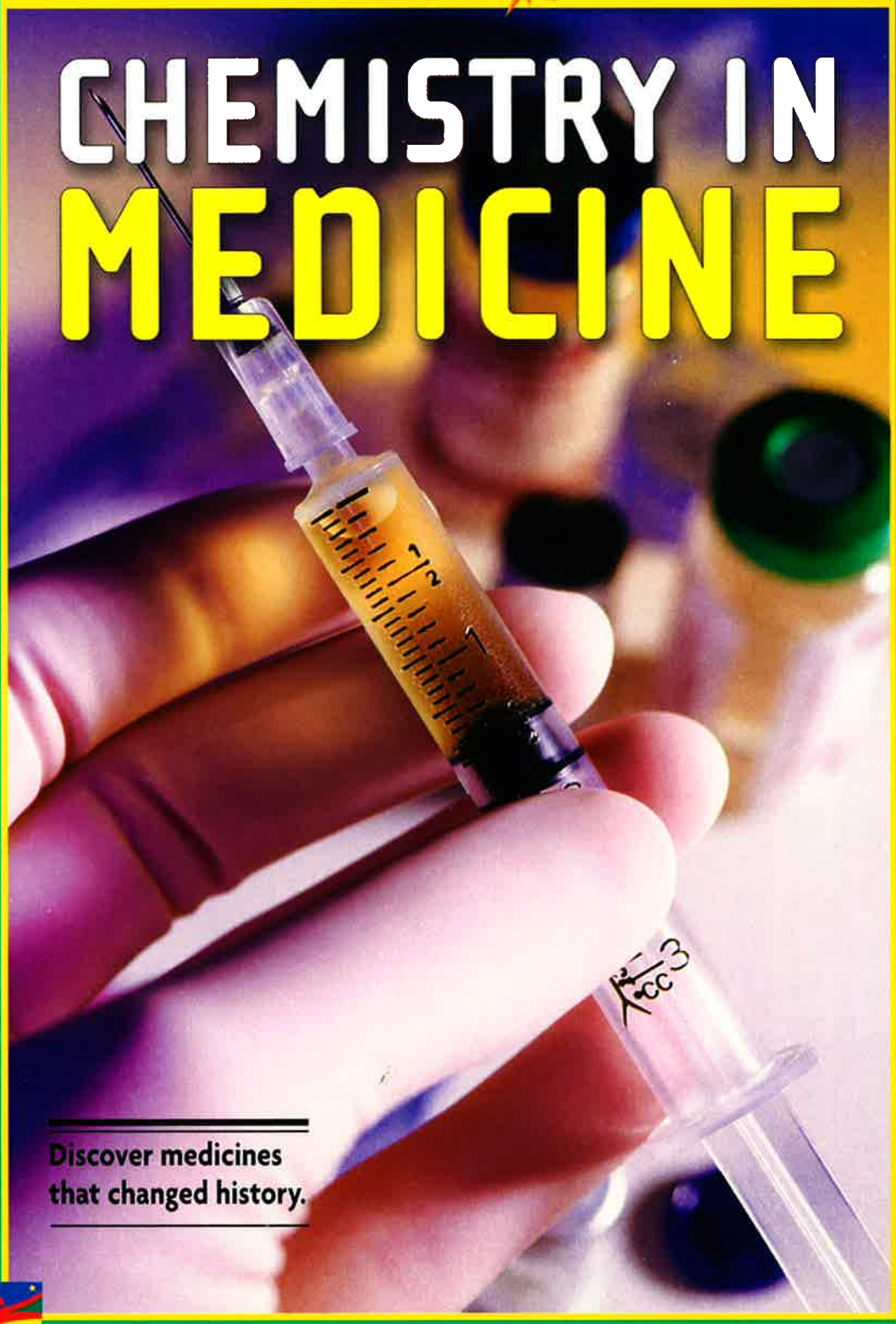
BRIDGES™

CHEMISTRY IN MEDICINE



Discover medicines that changed history.

Benchmark EDUCATION

KAROLYN KENDRICK

SCIENCE
Chemistry
Level 34 O

For teachers' inspection ONLY

READING

Comprehension Skill:
Main Ideas and Supporting Details

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

Phonics/Word Study:
Vowel diphthongs /ou/

As you read, look for words with the vowel diphthong /ou/, like **amount**. This sound in a syllable rhymes with the word **how**.

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 13, 23

Graphic Features

- Labeled diagrams. Pages 21, 27
- Experiments. Pages 5, 24–25
- Map. Page 12

SCIENCE

The Big Idea:
This book describes medical advances based on discoveries in chemistry.

Look for these special information features.

Content Sidebars

- It's a Fact. Pages 8, 10, 21
- Historical Perspective. Pages 7, 22, 28
- Careers. Pages 11, 15
- They Made a Difference. Pages 9, 18
- Q & A. Page 16

Content Vocabulary

antibiotic
antibody
atom
bacteria
cell
compound
element
fungus
matter
molecule
nutrient
vaccine
virus

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CHEMISTRY IN MEDICINE

by Karolyn Kendrick

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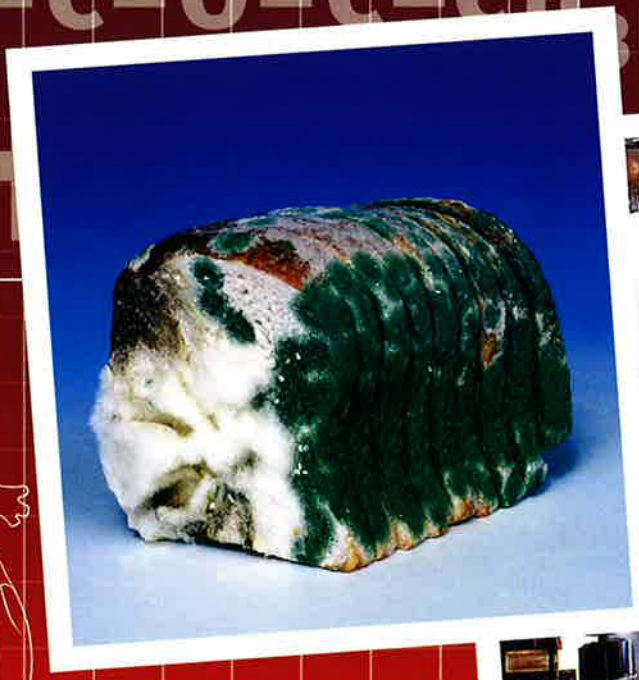
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Pictures To Think About

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Words To Think About

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vaccine

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

Characteristics

- type of drug
- fights diseases
- ?

Examples

- polio vaccine
- measles vaccine
- ?

antibiotic

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

Greek: anti **(against)**

Greek: biotikos **(fit for life)**

Read for More Clues
antibiotic, page 19
cell, page 11
vaccine, page 27

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cell

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

Meaning 1
small room in a jail (noun)

Meaning 2
building block of all living things (noun)

Meaning 3
part of a battery (noun)



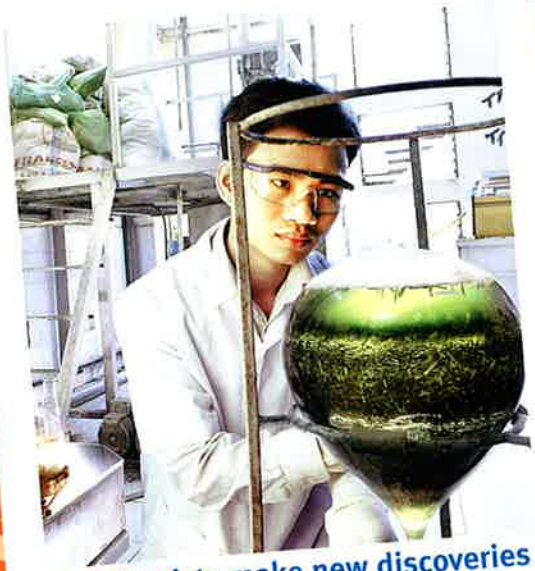
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INTRODUCTION

Do you like to solve mysteries? Do you like to make discoveries? Then get ready. This book is about medical mysteries. It is also about discoveries that saved millions of lives.

For thousands of years, people have used plants as medicines. But people did not always know how plants help people.

In the 1800s, chemists began to study plants used for healing. They wanted to find out about the chemicals in the plants. This was the start of medical chemistry.



▲ Scientists make new discoveries in medicine each year.



▲ Many people still rely on plant medicines.