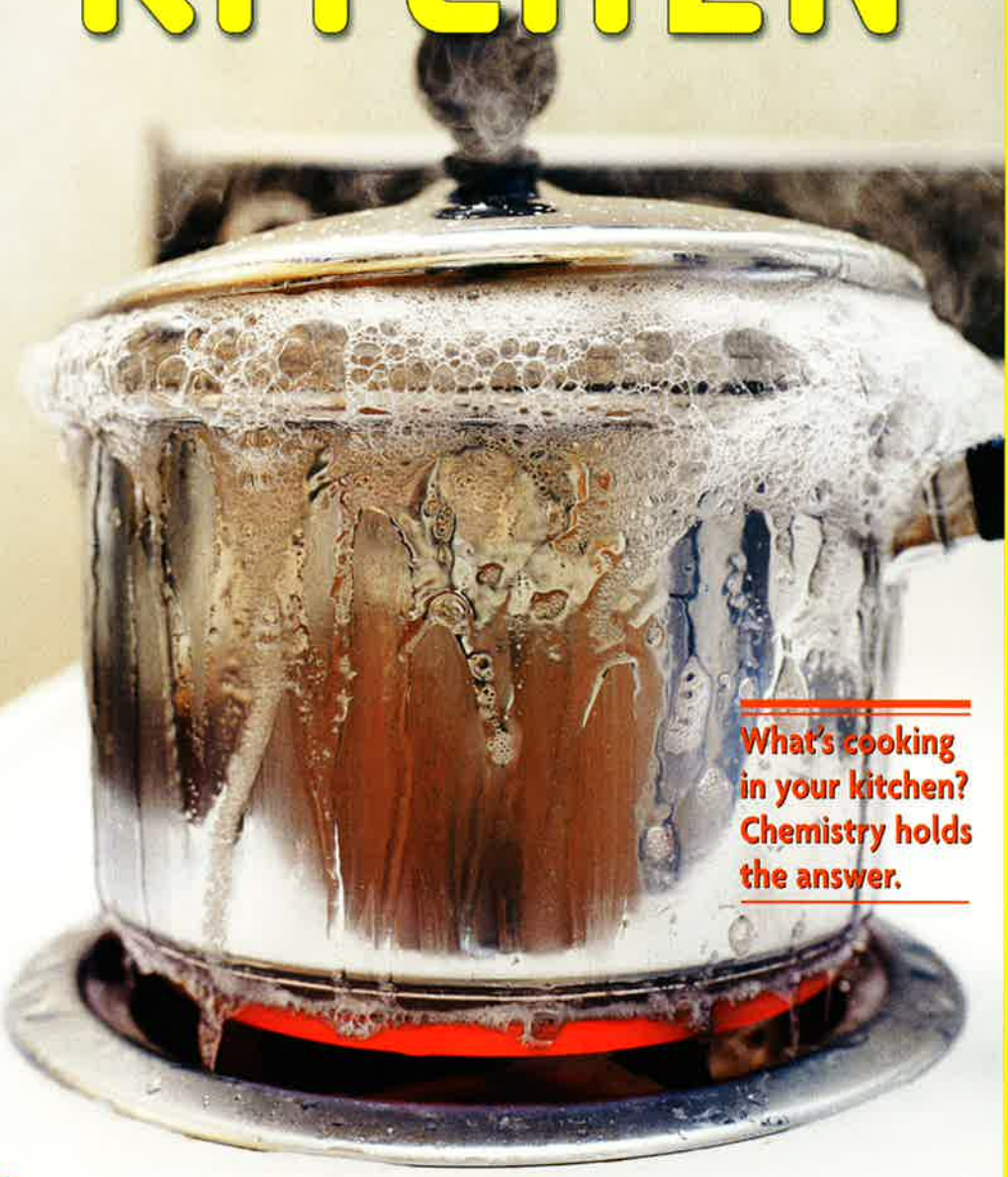
BRIDGES™

CHEMISTRY IN THE KITCHEN



What's cooking in your kitchen? Chemistry holds the answer.

GLEN PHELAN

Benchmark EDUCATION

SCIENCE AND MATH
Chemistry
Level 38 P

For teachers' inspection ONLY

READING

Comprehension Skill:
Identify Steps in a Process

As you read this book, look for events that happened in a certain order. Be sure to look for clues that will help you identify the steps.

Phonics/Word Study:
word endings **-y**

As you read, look for words with **-y** endings that rhyme with the word **be**, like **city**.

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 9, 29

Graphic Features

- Experiments. Pages 7, 11, 13, 22, 25, 26–27
- Chart. Page 28
- Activity. Page 14

SCIENCE

The Big Idea:
This book tells you about different ways to understand how chemicals react by using things found in the kitchen.

Look for these special information features.

Content Sidebars

- It's a Fact. Pages 5, 13, 20
- Solve This. Pages 6, 10, 16, 19, 21
- They Made a Difference. Page 23
- Careers. Page 27

Content Vocabulary

atom	condense	product	reaction rate
chemical equation	matter	property	surface area
chemical reaction	molecule	reactant	vapor

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by Glen Phelan



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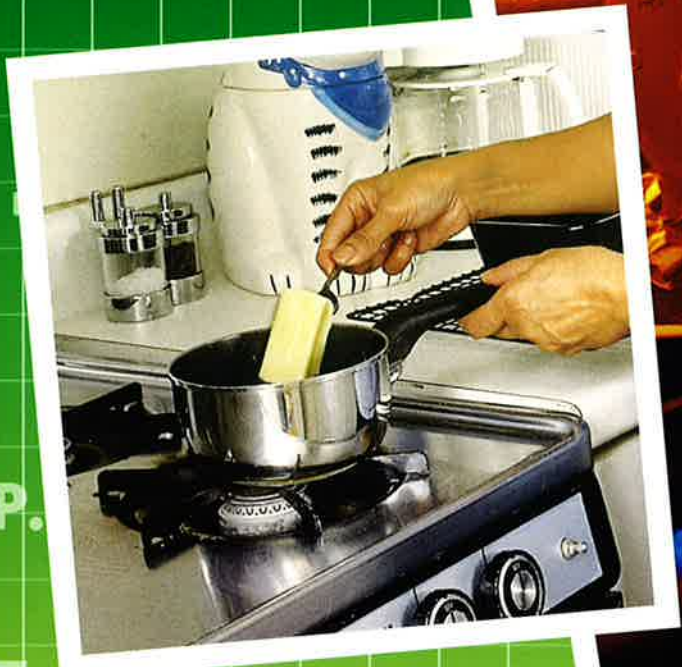
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Pictures To Think About

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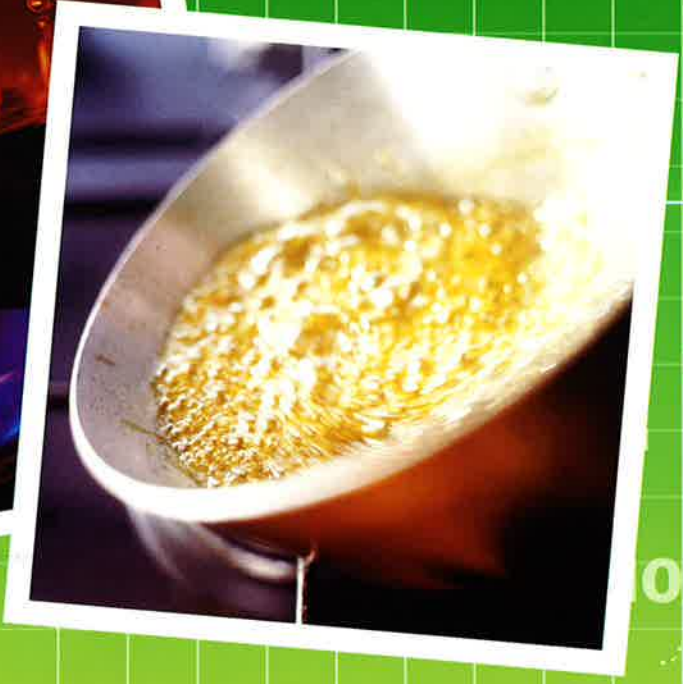




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Words To Think About

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Characteristics

- uses symbols
- shows a chemical reaction
- ?

chemical equation

What do you think the term **chemical equation** means?

Examples

- $Na + Cl \rightarrow NaCl$
- $2H_2 + O_2 \rightarrow 2H_2O$
- ?

product

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

Latin: pro **(forward)**

Latin: ducere **(to lead)**

Read for More Clues
chemical equation, page 15
product, page 14
property, page 4

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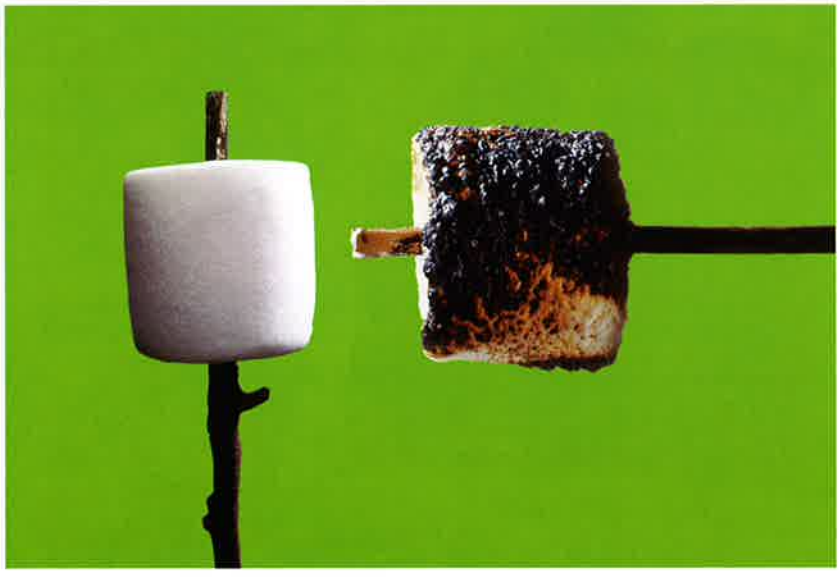
property

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

Meaning 1
something that is owned, such as land (noun)

Meaning 2
a characteristic or trait that can be seen or measured (noun)

Meaning 3
an object used in a play or movie (noun)

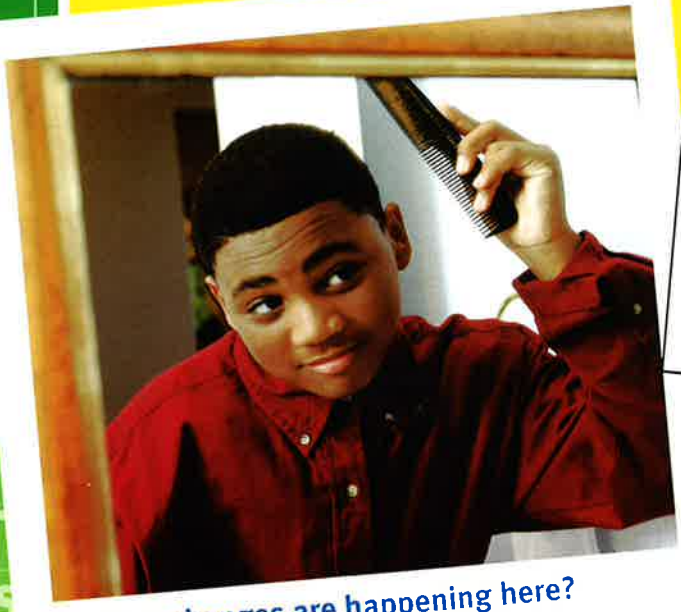


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INTRODUCTION

What did you change this morning? Did you wake up and make your bed? Did you wash your face and get dressed? Did you make breakfast?

Each of those actions caused changes. When you made your bed, you changed the positions of the sheet and blanket. When you washed your face, you changed your body. You removed oils and dirt from your skin. You changed the bar of soap when you mixed it with water. If you made breakfast, you also caused changes in the kitchen!







▲ What changes are happening here?