BRIDGES™

LIGHT AND SOUND TECHNOLOGY



Discover the modern marvels of light and sound technology.

KAREN A. FRENKEL

Benchmark EDUCATION

SCIENCE & MATH
Light and Sound
Level 28 M

For teachers' inspection ONLY

READING

Comprehension Skill:
Cause and Effect

As you read, look for causes and effects. Be sure to look for clue words that help you determine cause-and-effect relationships.

Phonics/Word Study:
Compound Words

As you read, look for compound words, like **timetable**. Compound words are made of two words put together, with or without a hyphen.

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 7, 18

Graphic Features

- Photographs.
- Labeled diagrams. Pages 11, 13, 23
- Time line. Page 29

SCIENCE

The Big Idea:

In this book, read about the technology of light and sound, and how we use this technology in our lives every day.

Look for these special information features.

Content Sidebars

- Solve This. Pages 10, 20, 24, 26
- Everyday Science. Pages 14, 16, 23
- They Made a Difference. Page 7

Content Vocabulary

cassette	halogen	plasma
cathode ray	laser	telegraph
cylinder	phonograph	transmitter
data	pixel	

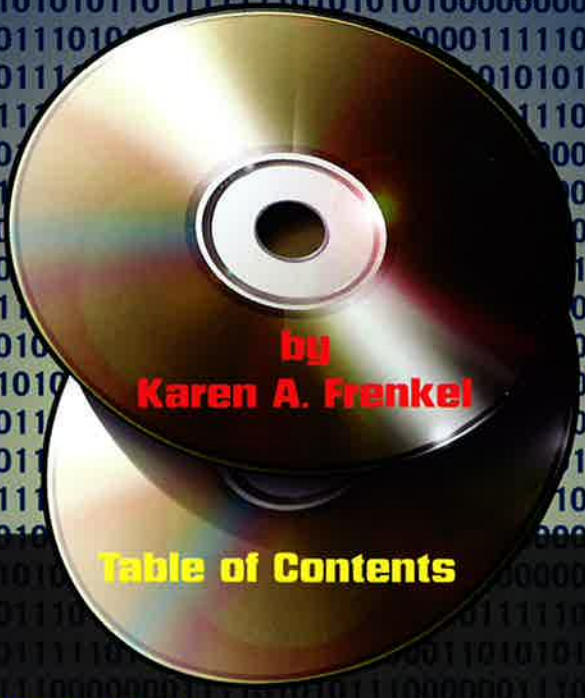
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Light and Sound Technology



by
Karen A. Frenkel

Table of Contents

Pictures To Think About i
Words To Think About iii
Introduction 2
Chapter 1 A Great Inventor: Thomas Alva Edison 4
Chapter 2 Light Technology 8
Chapter 3 Sound Technology 20
Conclusion 28
Solve This Answers 30
Glossary 31
Index 32

Pictures To Think About

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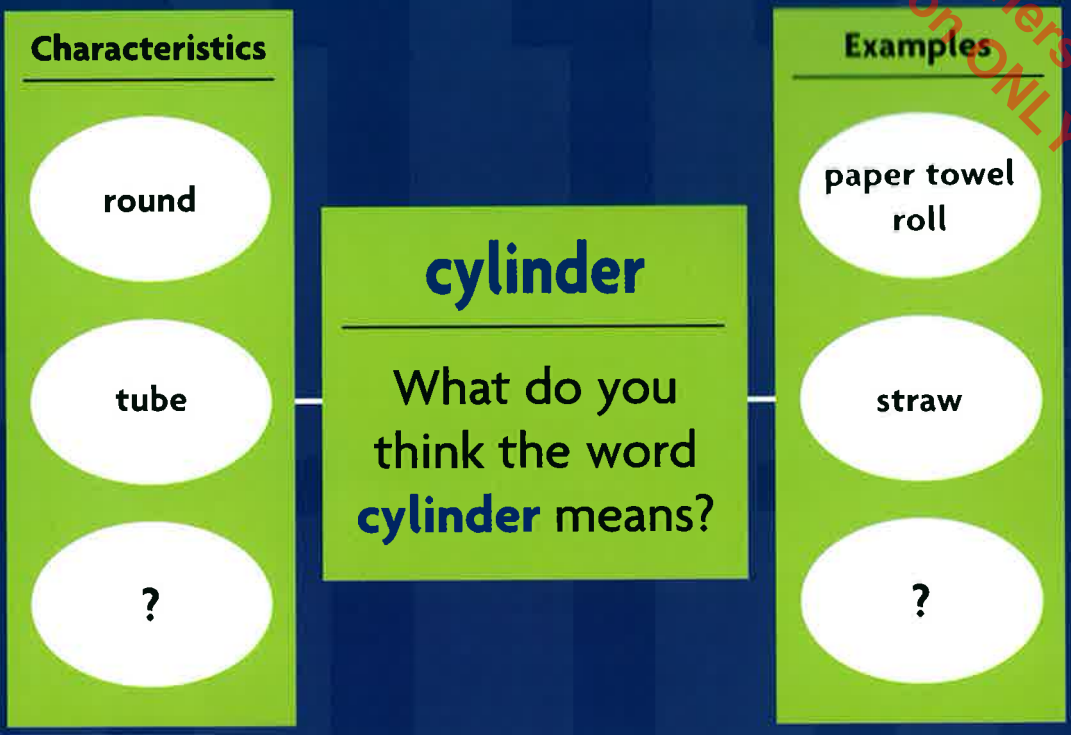


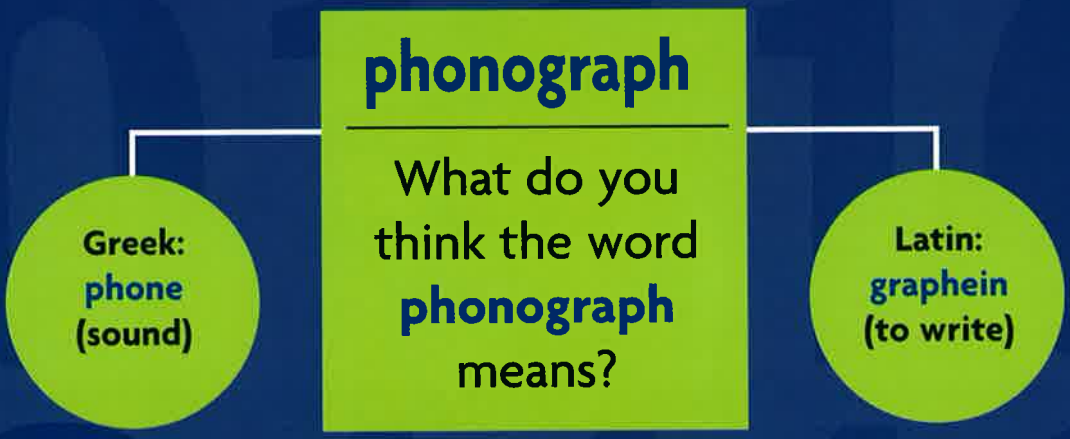




Words To Think About

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Read for More Clues
cylinder, page 20
data, page 26
phonograph, page 6

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data

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

When do you use **data**?

- research
- ?
- science projects

Where can you find **data**?

- almanac
- ?
- computers



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Introduction

Long ago, people had to read by candlelight. People could hear music only if it was played live. Today, we use electric light to see in the dark. We can hear music anytime and anywhere.

