

# **Harcourt Science Text Series**

## **Readings on Energy**

### **3<sup>rd</sup> Grade**

Physical Science: Unit F – Exploring Energy and Forces

#### Chapter 1: Heat

Lesson 1:	What is heat?	F4
Lesson 2:	How does thermal energy move?	F12
Lesson 3:	How is temperature measured?	F18

#### Chapter 2: Light

Lesson 1:	How does light behave?	F32
Lesson 2:	How are light and color related?	F42

### **4<sup>th</sup> Grade**

Physical Science: Unit E - Matter and Energy

#### Chapter 2: Energy on the move

Lesson 1:	How does heat affect matter?	E32
Lesson 2:	How can thermal energy be transferred?	E38
Lesson 3:	How is thermal energy produced and used?	E46

#### Chapter 3: Sound

Lesson 1:	What is sound?	E60
Lesson 2:	Why do sounds differ?	E66
Lesson 3:	How do sound waves travel?	E72

#### Chapter 4: Electricity and Magnetism

Lesson 1:	What is static electricity?	E88
Lesson 2:	What is electric current?	E94
Lesson 3:	What is a magnet?	E100
Lesson 4:	What is an electromagnet?	E106

# **Harcourt Science Text Series**

## **Readings on Energy (Continued)**

<b>5<sup>th</sup> Grade</b>
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Physical Science: Unit F – Energy and Motion

**Chapter 3: Forms of energy**

Lesson1:	What are kinetic and potential energy?	F60
Lesson 2:	What is electric energy?	F66
Lesson 3:	What are light and sound energy?	F74
Lesson 4:	What are thermal and chemical energy?	F82

**Chapter 4: How people use energy**

Lesson 1:	How do people use fossil fuels?	F96
Lesson 2:	How can moving water generate electricity?	F102
Lesson 3:	What other sources of energy do people use?	F108