



TEACHER GUIDE

Assessment Rubric	4
• How Is Our Resource Organized?	5
Bloom's Taxonomy for Reading Comprehension	6
• Vocabulary	6



STUDENT HANDOUTS

 Reading Comprehension 	
1. What Is Energy?	7
2. Mechanical Energy 1	2
3.Thermal Energy 1	7
4. Sound Energy and Waves 2	22
5. Light Energy 2	27
6. Other Forms of Potential Energy 3	52
7. How Energy Moves and Changes Form 3	58
• Hands-on Activities 4	ł2
• Crossword	ł6
• Word Search	ł7
• Comprehension Quiz 4	18





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Energy CC4506



Af Ter You Read 🤛



Answer the questions in complete sentences.

3. Name two kinds of energy that travel in waves.

4. What gives something potential energy? What gives something kinetic energy?

A chemical
B electrical
C material
D thermal

O **B** kinetic

NAME:



What Is Energy?

1. Put a check mark (\checkmark) next to the answer that is most correct.

b) Which of these kinds of energy travels in the form of waves?

a) All of these words describe forms of energy, exe

Extension & Application 5. a) All the words in the list below are either **matter** or **energy**. Use the chart on the next page to sort the words into types of matter and types of energy. Write the words for things made of matter in the box on the left. Write the words for types of energy in the box on the right. light blood sugar sound ter electricit kinetic wood horses pote one sentence tell matter is. b) c) In one sentence tell what energy is. (10) © CLASSROOM COMPLETE Energy CC4506







NAME: After you Read		
Light Energy		
Answer the questions in complete sentences.		
3.	3.	
a) Which colors are reflected by a white shirt?	a) all colors	a) potenti
		b) nuclea
b) Which colors are absorbed by a black shirt?	b) all colors	• • •
		•
c) Which colors are reflected by a red shirt?		c) photos
	c) red light	d) fossil fue
	4.	
4. What is the law of reflection?	The angle of incidence equals the	e) nonren
	angle of reflection.	of d) ar
	5.	
	seconds because the	a)
Extension & Application	the moon and back	
5. It takes approximately <i>1 second</i> for light to travel from the moon to Earth. Suppose there was a large mirror on the mean. Now a bright light flashes on		b)
Earth. How long would it take for you to see the light reflected by the mirror? Explain how you got your answer.	6. Count the seconds between the flash and the sound and divide by 5. The result is the number of miles	S () (e)
	away the lightning	
6. Sound travels one mile in 5 seconds. Light travels much, much taster. When there is a lightning strike, we see the flash and then hear the thunder later. Explain how you could tell how far away you were from a lightning strike.	SITUCK.	Chemicc fuel. Answers v
	31	(
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		R





The sun will keep sending energy for many millions of years. Answers will vary.

5.

a) Renewable: hydroelectric, solar, wind, wood Non-renewable: coal, oil, natural gas, nuclear

b) Answers will vary

c) Answers will vary

