

# Build Your Vocabulary

## Vocabulary Review

Use the word bank to complete each statement.

1. \_\_\_\_\_ is the ability to do work.
2. \_\_\_\_\_ energy is the energy of motion.
3. \_\_\_\_\_ energy is stored in molecules.
4. \_\_\_\_\_ energy is stored energy.
5. \_\_\_\_\_ energy is the movement of electrons.
6. \_\_\_\_\_ energy is the energy of heat.

chemical

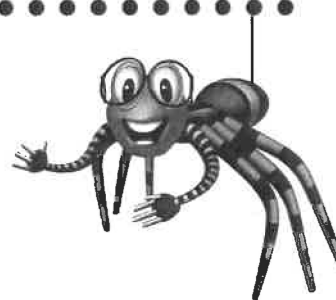
electrical

kinetic

potential

thermal

energy



## Word Play: Memory Sentence

Memory sentences can help you remember words or facts.

The first letter of each word in the sentence below can help you remember five kinds of energy.

**C**uddly   **K**angaroos   **E**at   **T**asty   **P**ears  
Chemical   Kinetic   Electrical   Thermal   Potential

Create your own memory sentence using vocabulary words or ideas from the lesson.

# Check Your Understanding

## Show What You Know

**Main Ideas:** Write the answer to each question.

1. What are some different forms of energy?
2. What is the difference between potential and kinetic energy?
3. How can energy be created or destroyed?

## Critical Thinking

1. **Analyze** Explain what happens to potential energy in a car at the top of a roller coaster hill as it speeds back down.
2. **Synthesize** Why do you think solar powered calculators can work at night?



### Writing in Science

**Write about a process** Describe a game or how to cook something. Explain how energy changes forms.

- ◆ Identify the topic in the title.
- ◆ Make a list of the events.
- ◆ Divide the list into steps that show when energy changes form.
  - Use details.
  - Draw a flowchart.

### Process Skill



### Quick Activity

**Classify** Read each of the examples below. Classify each one as either potential or kinetic energy. Then write three examples of your own and have a classmate classify them.

- ◆ a stretched rubber band
- ◆ a bowling ball rolling down an alley
- ◆ a bike stopped at a stoplight