

Energy • *Guided Reading and Study*

Forms of Energy

Use Target Reading Skills

After you read this section, reread the paragraphs that contain definitions of Key Terms. Use all the information you have learned to write a definition of each Key Term in your own words. Be sure your definition could be used to explain the term to someone who has not read the section.

mechanical energy _____

thermal energy _____

electrical energy _____

chemical energy _____

electromagnetic energy _____

nuclear energy _____

Mechanical Energy

1. What two forms of energy are associated with mechanical energy?

2. How would you calculate an object's mechanical energy?

3. What SI unit is used to measure mechanical energy?

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Forms of Energy *(continued)*

Other Forms of Energy

4. Is the following sentence true or false? When the particles of an object move faster, its thermal energy increases. _____
5. What kind of energy do you experience when you get a shock from a metal doorknob?

6. What kind of energy is stored in the bonds in compounds of the food you eat?

7. What kind of energy is stored in the nucleus of an atom?

8. Complete the table below on the different forms of energy

Different Forms of Energy	
Form of Energy	Examples
Mechanical Energy	
Thermal energy	
Chemical energy	
Electrical energy	
Nuclear energy	
Electromagnetic energy	