

Name _____ Class _____ Date _____

Chapter 15 Energy

Section 15.1 Energy and Its Forms**(pages 446–452)**

This section describes how energy and work are related. It defines kinetic energy and potential energy, and gives examples for calculating these forms of energy. It also discusses examples of various types of energy.

Reading Strategy (page 446)

Building Vocabulary As you read, complete the concept map with vocabulary terms and definitions from this section. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

**Energy and Work (page 447)**

1. What is energy? Energy is the ability to do work.
2. When work is done on an object, _____ is transferred to that object. Circle the correct answer.
☒ energy ☐ heat ☐ height
3. Circle the letter of each sentence that is true about work and energy.
☒ a. Energy in food is converted into muscle movement.
☒ b. Both work and energy are usually measured in joules.
☐ c. One joule equals one meter per newton.

Kinetic Energy (pages 447–448)

4. The energy of motion is called kinetic energy.
5. Is the following sentence true or false? You can determine the kinetic energy of an object if you know its mass and its volume. false

Physical Science Chapter 15 Energy Wordwise Worksheet Answers

Katrin Zwirgmaier



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