

## Chapter 15 Energy

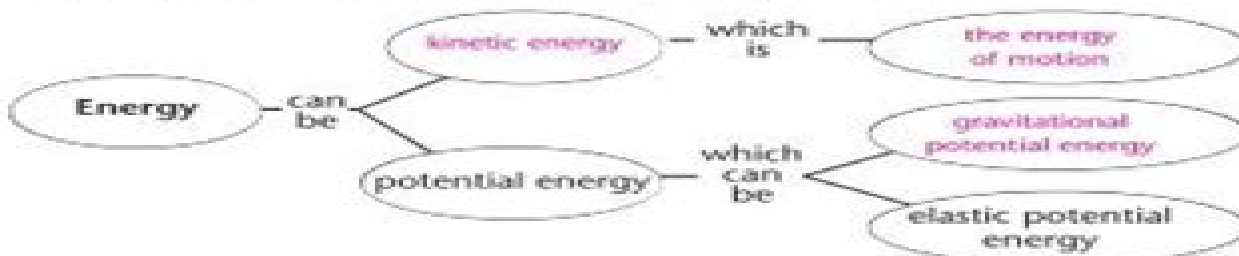
**Section 15.1 Energy and Its Forms**

(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 Reading And Study Workbook Answer Key

**R Bogdan**



## **Physical Science Reading And Study Workbook Answer Key:**

**Science Explorer Physical Science** Michael J. Padilla, Ioannis Miaculis, Martha Cyr, *Prentice Hall Physical Science Concepts in Action Program Planner National Chemistry Physics Earth Science*, 2003-11 Prentice Hall Physical Science Concepts in Action helps students make the important connection between the science they read and what they experience every day Relevant content lively explorations and a wealth of hands on activities take students understanding of science beyond the page and into the world around them Now includes even more technology tools and activities to support differentiated instruction Physical Science Vocabulary Workbook Lewis Morris, Learn the Secret to Success on the Physical Science Course and Exams Ever wonder why learning comes so easily to some people This remarkable workbook reveals a system that shows you how to learn faster easier and without frustration By mastering the hidden language of the subject and exams you will be poised to tackle the toughest of questions with ease We ve discovered that the key to success on the Physical Science Course and Exams lies with mastering the Insider s Language of the subject People who score high on their exams have a strong working vocabulary in the subject tested They know how to decode the vocabulary of the subject and use this as a model for test success People with a strong Insider s Language consistently Perform better on their Exams Learn faster and retain more information Feel more confident in their courses Perform better in upper level courses Gain more satisfaction in learning The Physical Science Vocabulary Workbook is different from traditional review books because it focuses on the exam s Insider s Language It is an outstanding supplement to a traditional review program It helps your preparation for the exam become easier and more efficient The strategies puzzles and questions give you enough exposure to the Insider Language to use it with confidence and make it part of your long term memory The Physical Science Vocabulary Workbook is an awesome tool to use before a course of study as it will help you develop a strong working Insider s Language before you even begin your review Learn the Secret to Success After nearly 20 years of teaching Lewis Morris discovered a startling fact Most students didn t struggle with the subject they struggled with the language It was never about brains or ability His students simply didn t have the knowledge of the specific language needed to succeed Through experimentation and research he discovered that for any subject there was a list of essential words that when mastered unlocked a student s ability to progress in the subject Lewis called this set of vocabulary the Insider s Words When he applied these Insider s Words the results were incredible His students began to learn with ease He was on his way to developing the landmark series of workbooks and applications to teach this Insider s Language to students around the world

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