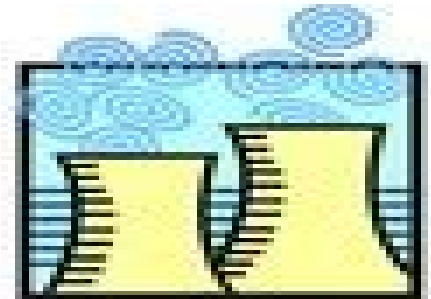


# 8<sup>th</sup> Grade Physical Science Study Guide Energy



**What is Energy?**

The ability to do work or cause change

**What is work?**

When a force causes an object to move in the direction of the force.

One day Bob was speaking to his brother and asked, "What will happen when we use all of the energy we have?" His brother replied "We simply make more."

Explain why Bob and his brother are both incorrect. (Make sure to name the law(s)).

**Law of Conservation of Energy**

Energy is measured in \_\_\_\_\_ (units) \_\_\_\_\_.

Power \_\_\_\_\_ is the rate at which energy is transferred or the amount of energy transferred in a unit of time.

**What are the two basic types of energy and how are they defined?**

- 1) Potential – Stored energy that results from a position or shape of an object.
- 2) Kinetic – Energy of motion

# Physical Science Guided Study Energy Answers

**Archie L. Lacey, Virginia M. Rowley**



## Physical Science Guided Study Energy Answers:

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*Energy and Movement Sol* 90,2012-12-01 Updated for 2013 Energy and Movement is one book in the Britannica Illustrated Science Library Series that covers today s most popular science topics from digital TV to microchips to touchscreens and beyond Perennial subjects in earth science life science and physical science are all explored in detail Amazing graphics more than 1 000 per title combined with concise summaries help students understand complex subjects Correlated to the science curriculum in grades 5 9 each title also contains a glossary with full definitions for vocabulary

Peterson's Guide to Graduate Programs in the Physical Sciences and Mathematics ,1990

**The Macmillan Guide to Correspondence Study** Modoc Press,1996

**Guide to Science Teaching in Secondary Schools** Archie L. Lacey,Virginia M. Rowley,1966

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