

Test:



Thursday Nov 7th

Energy Study Guide

Name: _____

Date: _____

SCORE: _____

- 1.) _____ What is energy?
 - a. The ability to do work or cause change
 - b. Anything that has mass and takes up space
 - c. Substances bonded together
 - d. Both a and b

- 2.) _____ What is potential energy?
 - a. Energy of motion
 - b. energy of change
 - c. Energy of mass
 - d. stored energy

- 3.) _____ What type of potential energy does a stretched rubber band have?
 - a. Mechanical kinetic energy
 - b. Chemical Potential Energy
 - c. Elastic Potential Energy
 - d. Electromagnetic Energy

- 4.) _____ Which of the following is a type of potential energy that a marshmallow has if the marshmallow is sitting in the bag on the shelf and not moving, and not cooking?
 - a. Chemical Potential Energy
 - b. Electromagnetic Energy
 - c. shape
 - d. size

- 5.) _____ What type of potential energy does a person standing on a chair have?
 - a. Mechanical
 - b. gravitational
 - c. Chemical
 - d. Nuclear

- 6.) _____ What is kinetic energy?
 - a. The energy of position, shape, or chemical make up
 - b. The energy of motion
 - c. The energy of distance
 - d. The energy of mass

- 7.) _____ What is the law of conservation of energy?
 - a. Energy is created and destroyed.
 - b. Energy is created but not destroyed.
 - c. energy is not created but is destroyed
 - d. energy is neither created nor destroyed

- 8.) _____ As the sky divers fall the _____ energy is converted into _____.
 - a. Kinetic energy, potential energy
 - b. Sound energy, mechanical energy
 - c. potential energy, kinetic energy
 - d. heat energy, sound energy

- 9.) _____ Which best describes the transformation of energy after a person eats the hot dog?
 - a. The chemical energy from the hot dog is converted into mechanical and heat
 - b. The kinetic energy of the hot dog is converted into potential energy
 - c. The sound energy of the hotdog is converted into mechanical energy
 - d. The mechanical energy of the hot dog is converted into sound energy

- 10.) _____ A cowboy and his horse are standing on a cliff watching the sun set. What type of kinetic energy does the sun represent?
 - a. GPE
 - b. CPE
 - c. KE
 - d. EPE

Answer Energy Study Guide

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Table of Contents Answer Energy Study Guide

1. Understanding the eBook Answer Energy Study Guide
 - The Rise of Digital Reading Answer Energy Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Answer Energy Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Answer Energy Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Answer Energy Study Guide

- Personalized Recommendations
- Answer Energy Study Guide User Reviews and Ratings
- Answer Energy Study Guide and Bestseller Lists

5. Accessing Answer Energy Study Guide Free and Paid eBooks

- Answer Energy Study Guide Public Domain eBooks
- Answer Energy Study Guide eBook Subscription Services
- Answer Energy Study Guide Budget-Friendly Options

6. Navigating Answer Energy Study Guide eBook Formats

- ePUB, PDF, MOBI, and More
- Answer Energy Study Guide Compatibility with Devices
- Answer Energy Study Guide Enhanced eBook Features

7. Enhancing Your Reading Experience

- Adjustable Fonts and Text Sizes of Answer Energy Study Guide
- Highlighting and Note-Taking Answer Energy Study Guide
- Interactive Elements Answer Energy Study Guide

8. Staying Engaged with Answer Energy Study Guide

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Answer Energy Study Guide

9. Balancing eBooks and Physical Books Answer Energy Study Guide

- Benefits of a Digital Library
- Creating a Diverse Reading Collection Answer Energy Study Guide

10. Overcoming Reading Challenges

- Dealing with Digital Eye Strain
- Minimizing Distractions
- Managing Screen Time

11. Cultivating a Reading Routine Answer Energy Study Guide

- Setting Reading Goals Answer Energy Study Guide
- Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Answer Energy Study Guide

- Fact-Checking eBook Content of Answer Energy Study Guide
- Distinguishing Credible Sources

13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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