

Nuclear Fission and Fusion – Questions

Instructions: Identify the following descriptions as either **fusion** or **fission**.

- | | |
|--|-----------------------|
| 1) Requires at least two smaller atoms to occur. | <u>Fusion</u> |
| 2) The splitting of a large nucleus into smaller nuclei. | <u>Fission</u> |
| 3) Usually occurs with light elements. | <u>Fusion</u> |
| 4) Uranium-235 is struck by a neutron, releasing energy. | <u>Fission</u> |
| 5) Usually starts with a heavy element. | <u>Fission</u> |
| 6) Releases the most energy of the nuclear reactions. | <u>Fusion</u> |
| 7) Often leads to a chain reaction effect. | <u>Fission</u> |
| 8) Requires at least one heavy nucleus to start. | <u>Fission</u> |
| 9) The source of energy in stars like the Sun. | <u>Fusion</u> |
| 10) Used to generate energy in nuclear power plants. | <u>Fission</u> |
| 11) Generates nuclear waste that must be stored or buried. | <u>Fission</u> |
| 12) Not currently utilized as an energy source for humans. | <u>Fusion</u> |



- 13) Does the equation above represent **fission** or **fusion**? Explain your reasoning.

The equation represents fission because it starts with a large nucleus
(Uranium) and a neutron. Afterwards, it splits into smaller nuclei.

5 3 Fission And Fusion Answer Key

Julia Schneider



5 3 Fission And Fusion Answer Key:

Alternative Energy Experiments, Grades 5 - 8 Schyrlet Cameron, Carolyn Craig, 2009-12-16 Connect students in grades 5 and up with science using Alternative Energy Experiments This 80 page book explores the potential of renewable energy sources such as wind solar geothermal ocean hydroelectric and nuclear energy With activities at three different levels for each topic this book is perfect for differentiated instruction It includes mini labs that can be completed individually or in groups graphic organizers that help students identify what they have learned inquiry labs that focus on the steps of the scientific method a lab scoring guide and a glossary The book supports National Science Education Standards **Essential Words for Middle-Grade Students, Grades 4 - 8** Deborah White Broadwater, 2002-01-01 Reproducible activities are designed to teach students look up the meaning of the vocabulary word and write a sentence to go with the word so that to enrich their vocabulary Iowa Industrial Arts Handbook for Introductory Level , 1978 Handbook to provide a new and different approach to the teaching of energy and power at the junior high school level **Words for Students of English** Dawn E. McCormick, Lionel Menasche, Marilyn Smith Slaathaug, Judith L. Yogman, 2004-01-08 Volume 8 of the popular Words for Students of English series continue with more discipline specific academic vocabulary It has the same easy to use self study format as the previous volumes Two additional units are available online as www.press.umich.edu/esl/composite/wordsforstudents *STEM Labs: Alternative Energy Workbook, Grades 5 - 12* Schyrlet Cameron, Carolyn Craig, 2020-01-02 GRADES 5 12 This 80 page science workbook helps students learn about the potential of renewable energy sources FEATURES This science resource book uses the scientific method and engages students through experimenting assessing and presenting research findings as they attempt to solve real world problems INCLUDES Units are designed to cultivate an interest in the STEM fields of science technology engineering and math Topics covered include energy energy sources electricity solar energy geothermal energy and much more Contents of this workbook help students to strengthen their communication skills critical thinking skills and more WHY MARK TWAIN MEDIA Mark Twain Media Publishing Company specializes in providing captivating supplemental books and decorative resources to complement middle and upper grade classrooms Designed by leading educators the product line covers a range of subjects including mathematics sciences language arts social studies history government fine arts and character Study Guide with Selected Solutions Karen Timberlake, 2002-08-06 Written by the author the Study Guide is keyed to the learning goals in the text and designed to promote active learning through a variety of exercises with answers and mastery exams Also contains complete solutions to odd numbered problems McGraw-Hill Education Short Course for the GED Test McGraw Hill, 2014-12-05 Publisher s Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product Short on time Choose the GED test guide that gets straight to the point If you want smart GED test guidance from educators you can rely on but your study time is limited this is the book for you

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mitochondrial cell signaling including the nature of the proteins engaged in these processes many of them only recently discovered Later chapters examine the role of mitochondria and mitochondrial abnormalities in cardiovascular diseases including their diagnosis therapeutic options currently available animal models of mitochondrial disease and new frontiers in mitochondria cardiovascular medicine including areas of research that are relatively new or developing such as proteomics next generation sequencing and systems biology

Fundamentals of Physics, A Student's Companion E-Book to Accompany Fundamentals of Physics, Enhanced Problems Version David Halliday, Robert Resnick, Jearl Walker, 2003 A text for calculus based physics courses introducing fundamental physics concepts and featuring exercises designed to help students apply conceptual understanding to quantitative problem solving with chapter puzzlers checkpoints and reviews and summaries

Physics Art Hobson, 2007 For a one semester course in liberal arts physics Hobson has four unifying themes How do we know the significance of post Newtonian physics modern physics energy and the social context of physics These themes become evident in the writing and pedagogy throughout the fourth edition

Chemistry Oxtoby, 1994

Practice Book: Conceptual Physical Science Paul G. Hewitt, John Suchocki, Leslie A. Hewitt, 2003-07 This skill building workbook helps students build their confidence and understanding of concepts in the textbook Answers to all questions are provided at the back of the workbook

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