

Name: \_\_\_\_\_

## Matter and Energy Test Study Guide

### Scientific Method Review (SCI 6.1)

1. List the three main types of data graphs and the purpose for each:

Type	Purpose

2. Explain why it is important that scientists around the world use the International System of Units to report data. \_\_\_\_\_  
\_\_\_\_\_

### Matter & Energy (SOL 6.2, 6.4, & 6.9)

**Essential Question:** What is the relationship between matter and energy?

**Textbook Help:** pgs. \_\_\_\_\_

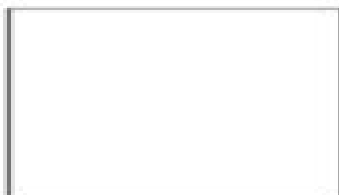
3. What is matter? \_\_\_\_\_  
4. What is matter made of? \_\_\_\_\_  
5. What is energy? \_\_\_\_\_  
6. Why does matter need energy? \_\_\_\_\_

**Essential Question:** What is the basic structure of an atom?

**Textbook Help:** pgs. \_\_\_\_\_

7. What is an element? \_\_\_\_\_  
8. Name the 3 subatomic particles that make up an atom. \_\_\_\_\_  
9. Atomic Structure: Use the information in the Periodic Table to draw and label a model of an atom of the following elements.

BORON



LITHIUM



**Essential Question:** How are the atoms of two elements alike and different?

**Textbook Help:** pgs. \_\_\_\_\_

10. What subatomic particle determines an element's position in the periodic table? proton  
11. What do we call this number when it appears on the periodic table? atomic #  
12. What subatomic particle can you count in a model of an atom to determine the name of the element? protons

# Matter And Energy Quiz Study Guide

**Susan McMurry**



## **Matter And Energy Quiz Study Guide:**

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study guide will be of great value to chemistry teachers and students      *Resources in Education* ,1984      Essential Concepts of Chemistry Study Guide James R. Braun,Sherman,1999      *The Colorado School Journal* Aaron Gove,Dorus Reuben Hatch,Harry McWhirter Barrett,Nathan B. Coy,Henry Burnside Smith,William Barnard Mooney,1894      **Michigan Test for Teacher Certification Study Guide** ,2001      **Study Guide and Partial Solutions Manual, Fundamentals of General, Organic, and Biological Chemistry** Susan McMurry,1996 This internationally acclaimed detective series is just the thing for lovers of thoseNumber One Ladieslooking for a darker more realistic view of Botswana Sue Baker Publishing News      *Introduction to General, Organic, and Biochemistry Study Guide* William Scovell,2006-03 By William M Scovell This resource helps students organize their study time and guides them through the topics in a systematic way Each chapter of the text is covered by an introduction a list of review topics section by section study suggestions and questions a list of key terms and a practice exam with worked out answers      *Test and Study Exercises in General Science* J. T. Giles,1928

**Study Guide and Full Solutions Manual** Susan McMurry,John McMurry,2002-08 Contains a brief overview of every chapter review of skills self tests and the answers and detailed solutions to all end of chapter problems in the textbook

**Instructional Materials** University of Illinois at Urbana-Champaign. Vocational Agriculture Service,1989      **Study Guide and Solutions Manual, Fundamentals of General, Organic, and Biological Chemistry, Third Edition** John McMurry,Susan McMurry,1999 Provides worked out solutions to text problems along with chapter by chapter outlines and a variety of self tests at the end of each chapter      The Utah Educational Review ,1925      A Study Guide to Accompany the Dynamic Universe C. D. Garmany,Stephen J. Shawl,1983      **The Literary Guide and Rationalist Review** ,1914

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