

CHEMISTRY COMES ALIVE

Matter – anything with mass and occupies space

- weight – pull of gravity on mass
- solid – with definite shape and volume
- liquid – with definite volume but changeable shape
- gas – with changeable volume and shape

Energy - capacity to do work or put matter into motion

- 2 types – kinetic energy – energy in action
- potential energy – stored (inactive) energy
- energy can be transferred from potential to kinetic

Forms of energy used by the body:

1. Chemical energy – stored in the chemical bonds
 - ATP (energy of the body)
2. Electrical energy - result from movement of charged particles
3. Mechanical energy – energy that directly cause the movement of matter
4. Radiant or electromagnetic energy - energy that travel in waves.
 - light, infrared waves, radiowaves, ultraviolet waves, X-rays

Energy - is neither created nor destroyed

- can be converted from one form to another form,
- some energy is unused in the conversion (lighting a bulb)

Composition of Matters: All matters are made up of elements

Elements: - unique substances that cannot be broken into simpler form by ordinary chemical means

- 2 properties of elements – physical – anything we can sense or measure
- chemical – how atoms interact (bond) with other atoms

Atoms -unique building blocks of elements

- give each element its chemical and physical properties
- smallest particles of the element that retain the properties of the element
- atomic symbols – designated for each element.
 - usually represented by the first letter or the first 2 letter of the name of the element in English, Latin mainly and rarely in other languages
- 118 elements – 92 are naturally occurring
- 26 are produced from natural element by particle accelerator or nuclear reactor.

Chemistry Comes Alive Study Guide Answers

EW Minium



Chemistry Comes Alive Study Guide Answers:

The book delves into Chemistry Comes Alive Study Guide Answers. Chemistry Comes Alive Study Guide Answers is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Chemistry Comes Alive Study Guide Answers, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Chemistry Comes Alive Study Guide Answers
 - Chapter 2: Essential Elements of Chemistry Comes Alive Study Guide Answers
 - Chapter 3: Chemistry Comes Alive Study Guide Answers in Everyday Life
 - Chapter 4: Chemistry Comes Alive Study Guide Answers in Specific Contexts
 - Chapter 5: Conclusion
 2. In chapter 1, this book will provide an overview of Chemistry Comes Alive Study Guide Answers. This chapter will explore what Chemistry Comes Alive Study Guide Answers is, why Chemistry Comes Alive Study Guide Answers is vital, and how to effectively learn about Chemistry Comes Alive Study Guide Answers.
 3. In chapter 2, this book will delve into the foundational concepts of Chemistry Comes Alive Study Guide Answers. This chapter will elucidate the essential principles that must be understood to grasp Chemistry Comes Alive Study Guide Answers in its entirety.
 4. In chapter 3, this book will examine the practical applications of Chemistry Comes Alive Study Guide Answers in daily life. This chapter will showcase real-world examples of how Chemistry Comes Alive Study Guide Answers can be effectively utilized in everyday scenarios.
 5. In chapter 4, this book will scrutinize the relevance of Chemistry Comes Alive Study Guide Answers in specific contexts. The fourth chapter will explore how Chemistry Comes Alive Study Guide Answers is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, the author will draw a conclusion about Chemistry Comes Alive Study Guide Answers. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Chemistry Comes Alive Study Guide Answers.

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Chemistry Comes Alive Study Guide Answers Introduction

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