

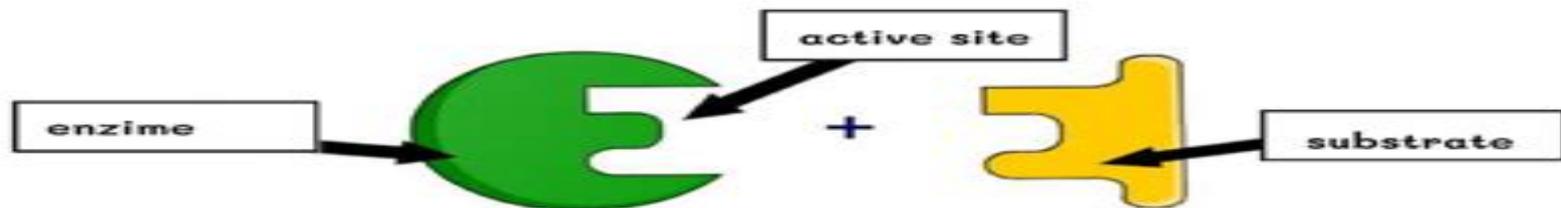
ENZYME WORKSHEETS

Fill in the gaps in the following sentences using the words in the box below.

1. Enzymes are biological catalysts that speed up chemical reactions in living organisms.
2. Enzymes are protein molecules, which are made up of long chains of amino acids
3. The sequence and type of amino acids are different in each protein, so they produce enzymes with many different shapes and functions.
4. The shape of an enzyme is very important to its function

different catalysts function the same amino acids

Label the image below with the following terms: active site, substrate, enzyme.



5. Enzymes and their substrates are often compared to a lock and key. This is called the Lock and Key Model. Label the lock and key in the image above.
6. Explain what would happen if a substrate molecule with a different shape to the enzyme came into contact with the enzyme's active site.

In case of lock and key model of enzyme-catalyzed reactions, active site is a rigid site. A different shape of a substrate would not be entertained, hence there will be no reaction

Understanding Enzymes

David Baud



Understanding Enzymes:

The book delves into Understanding Enzymes. Understanding Enzymes is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Understanding Enzymes, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
 - Chapter 1: Introduction to Understanding Enzymes
 - Chapter 2: Essential Elements of Understanding Enzymes
 - Chapter 3: Understanding Enzymes in Everyday Life
 - Chapter 4: Understanding Enzymes in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, this book will provide an overview of Understanding Enzymes. The first chapter will explore what Understanding Enzymes is, why Understanding Enzymes is vital, and how to effectively learn about Understanding Enzymes.
3. In chapter 2, the author will delve into the foundational concepts of Understanding Enzymes. This chapter will elucidate the essential principles that must be understood to grasp Understanding Enzymes in its entirety.
4. In chapter 3, this book will examine the practical applications of Understanding Enzymes in daily life. This chapter will showcase real-world examples of how Understanding Enzymes can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Understanding Enzymes in specific contexts. The fourth chapter will explore how Understanding Enzymes is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Understanding Enzymes. 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. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Understanding Enzymes.

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