

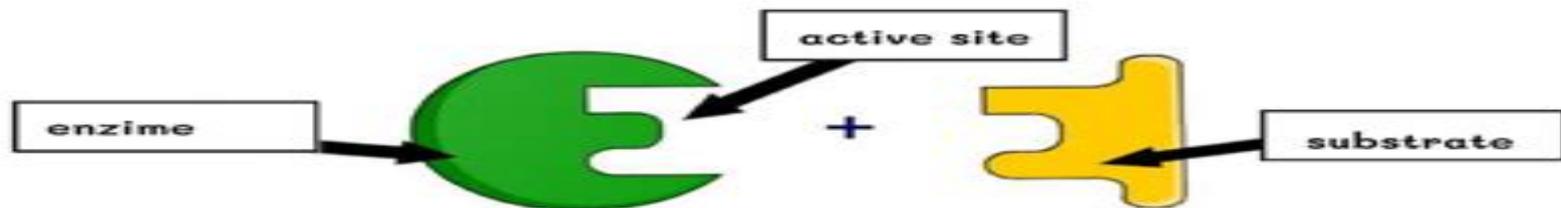
## ENZYME WORKSHEETS

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
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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

**Thomas Griffiths**



## **Understanding Enzymes:**

## The Enigmatic Realm of **Understanding Enzymes**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Understanding Enzymes** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of people who partake in its reading experience.

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