

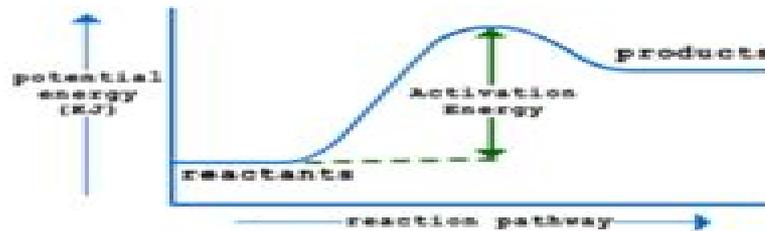
Biomolecule & Enzyme Study Guide

Carbon Compound	Indicator used	Positive Test
Sugar	Benedict's solution	Orange/Brick Red
Starch	Iodine	Black
Protein	Biuret's solution	Purple
Lipid	Brown Paper Bag Sudan IV	Translucent Spot Red

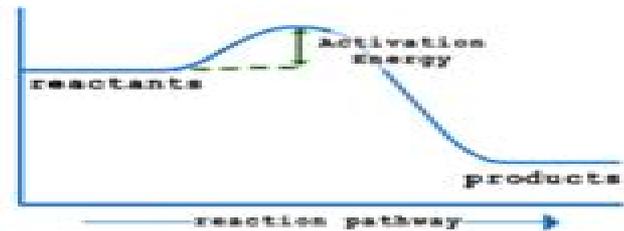
Chemical Reactions



Types of Reactions:



Endothermic



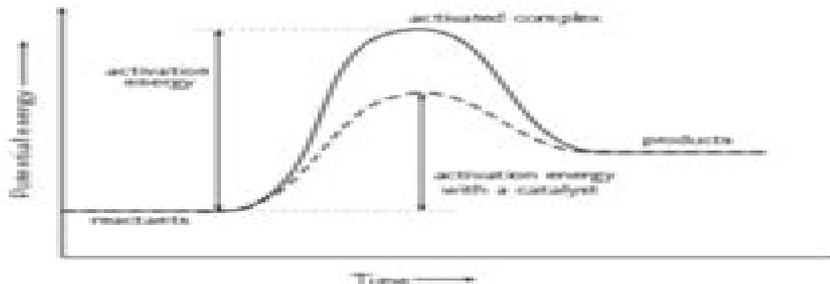
Exothermic

"LOCK AND KEY" MODEL OF ENZYME ACTION

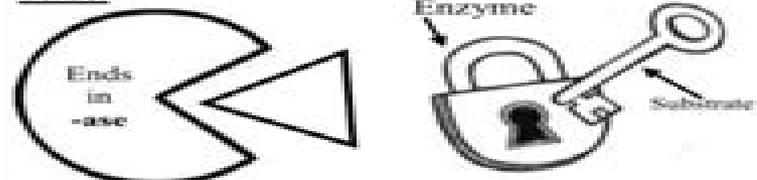
- There are four steps in the process of an enzyme working.
- (1) An enzyme and a **SUBSTRATE (key)** are in the same area. The substrate is the biological molecule that the enzyme will work on.
 - (2) The enzyme grabs onto the substrate with a special area called the **ACTIVE SITE**. The active site is a specially shaped area of the enzyme that fits around the substrate. The active site is the keyhole of the lock.
 - (3) A process called **CATALYSIS** happens. Catalysis is when the substrate is changed. It could be broken down or combined with another molecule to make something new.
 - (4) The enzyme lets go. Big idea - When the enzyme lets go, it returns to normal, ready to do another reaction. The substrate is no longer the same. The substrate is now called the **PRODUCT**.

Enzyme Activity

Lowers Activation Energy



Enzymes are **proteins** which are made of **amino acids**.



3 things that affect enzyme activity:

1. Temperature (denatures)
2. pH (denatures)
3. Concentrate (amount) of substrate

Enzyme Study Guide Answers

Victor M. Corman



Enzyme Study Guide Answers:

Unveiling the Magic of Words: A Overview of "**Enzyme Study Guide Answers**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Enzyme Study Guide Answers**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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