

Unit 3 study guide

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Topic 3.1 : Enzyme Structure

ENZYMES ARE MACROMOLECULES

- They are biological catalysts that speed up biochemical reactions
- Most enzymes are proteins
 - tertiary shape must be maintained for functionality
 - Have a region called an active site

THE ACTIVE SITE INTERACTS WITH THE SUBSTRATE

- A molecule that can interact with an enzyme is called a substrate
- Enzymes have an active site , specifically interacts with substrates
 - The active site has a unique shape and size
 - can have chemical charges or not
 - Physical and Chemical properties of the substrate must be compatible.
 - Slight changes can occur to align with substrate
- Enzyme name often indicate the substrate or chemical reaction involved
 - Often ens in -ase
 - ex . Sucrase
- Enzymes are reusable
 - not chemically changed by the reaction
 - Cells typically maintain a specific enzyme concentration
- Enzymes can facilitate synthesis or digestion reactions

Ap English 3 Study Guide

Chris Monahan



Ap English 3 Study Guide:

The Top Books of the Year Ap English 3 Study Guide The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous compelling novels enthralling the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the captivating narratives that have charmed audiences this year. Ap English 3 Study Guide : Colleen Hoover "It Ends with Us" This poignant tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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