Mindluster Platform

About the course Structural Pathway of glycolysis

Course Presenter : Bio science

Structural Pathway of glycolysis, in this course we will learn about the Structural Pathway of Glycolysis course. This course provides an in-depth exploration of glycolysis from a structural biology perspective. We will examine each enzyme involved in the ten steps of glycolysis, focusing on their three-dimensional structures, active sites, and mechanisms of catalysis. Students will gain insights into how structural changes in substrates and enzymes drive the conversion of glucose to pyruvate. The course also highlights the role of cofactors, intermediate molecules, and energy transfer during each reaction. Emphasis is placed on regulatory points and how molecular conformations affect enzyme function and efficiency. By the end of the course, learners will understand the structural dynamics underlying energy metabolism and the importance of glycolysis in both aerobic and anaerobic cellular conditions. This knowledge is foundational for fields such as biochemistry, molecular biology, and metabolic engineering. Bio science

Medical Category's Courses

Course Lesson(13)

Lesson 1 :
N2 bases NITROGENOUS BASES PURINS AND PYRIMINDINS BIOTECHNOLOGY BY PHANINDRA GUPTHA

Lesson 2 :
NUCLEOTIDES CLASSIFICATION STRUCTURES BIOTECHNOLOGY BY PHANINDRA GUPTHA

Lesson 3 : **LIPOPROTEINS LIPIDS BIOCHEMISTRY BY PHANINDRA GUPTA**

Lesson 4 : **DEFINITIONS OF EACH NUCLEOTIDE BIOTECHNOLOGY BY PHANINDRA GUPTA**

Lesson 5 :
STRUCTURES OF DNA AND RNA DIFFERENCES BIOTECHNOLOGY BY PHANINDRA GUPTA

Lesson 6 :
WHICH TOPIC ARE YOU FEELING DIFFICULT REGARDING BIOLOGY BY PHANINDRA GUPTHA

Lesson 7 : **CALVIN CYCLE C3 CYCLE BY PHANINDRA GUPTA**

Lesson 8 : **What are proteins STRUCTURES CLASSIFICATION EXAMPLES BY PHANINDRA GUPTHA**

Lesson 9 : **What is Chargaff s rule BY PHANINDRA GUPTHA**

Lesson 10 : **Transamination reaction By Phanindra gupta**

Lesson 11 : **Structural pathway of Glycolysis EMP pathway By Phanindra guptha**

Lesson 12 : **Buffers Types of buffers Buffer action Importance of buffers By Phanindra guptha**

Lesson 13 : **Biosynthesis of creatine By phanindra guptha**

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