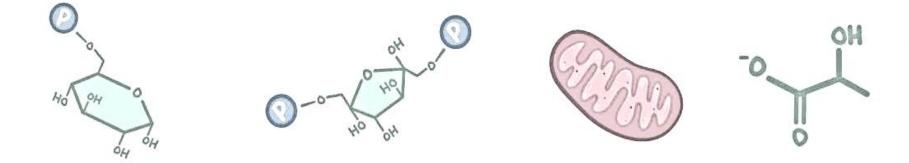
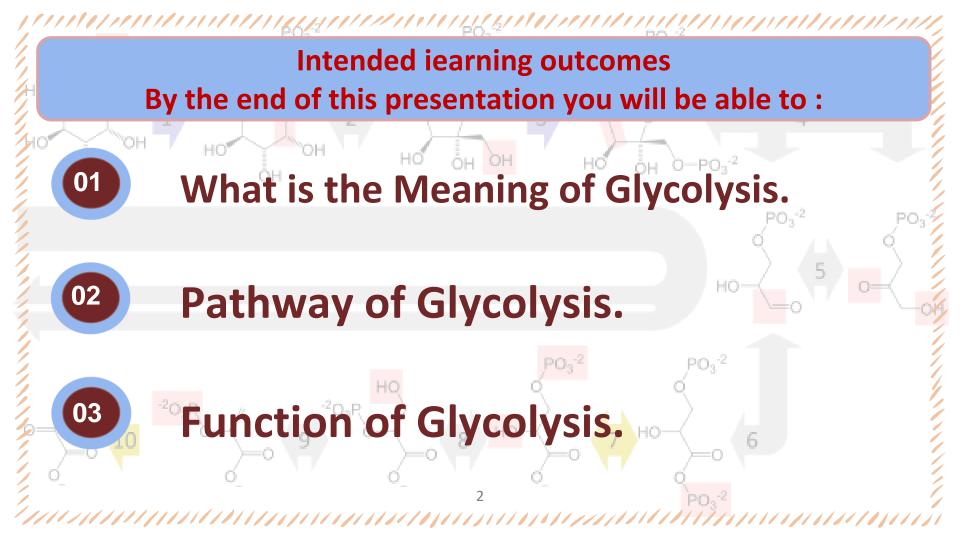
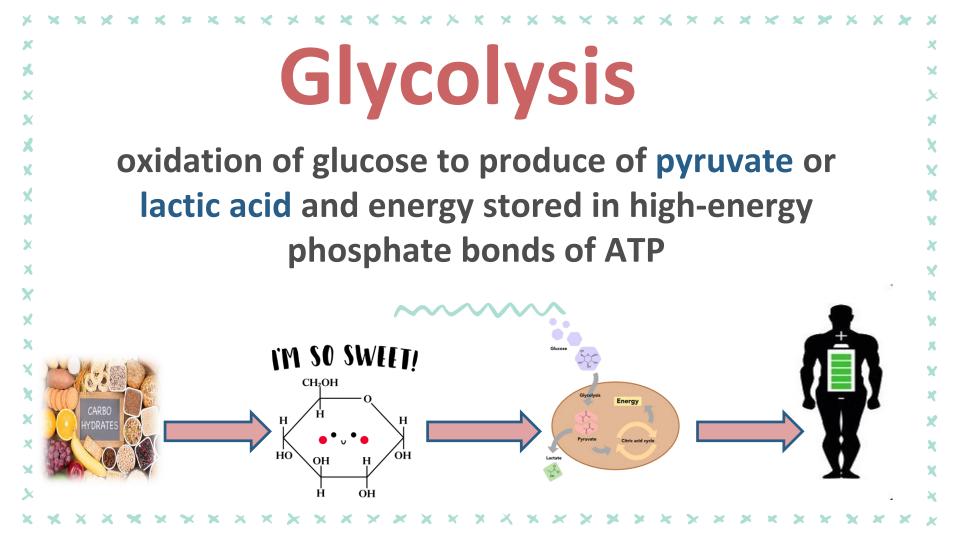


By: Gilan Nazeh, Mahmoud Khaled and Khaled Alsheiky The second year pharmD



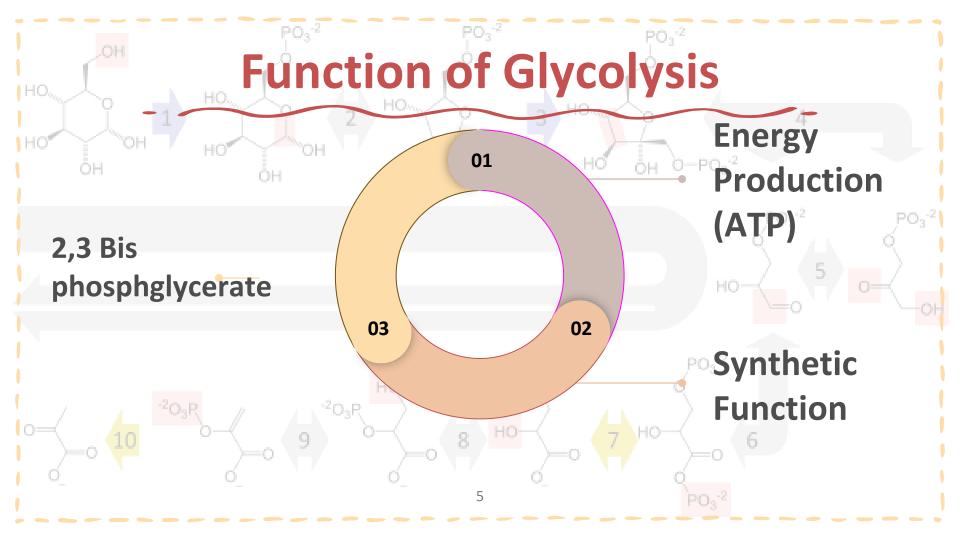


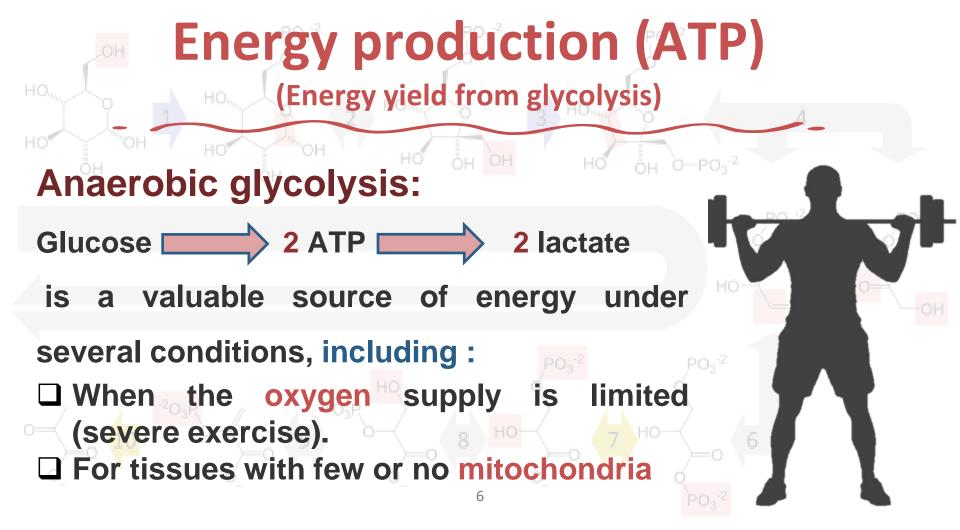


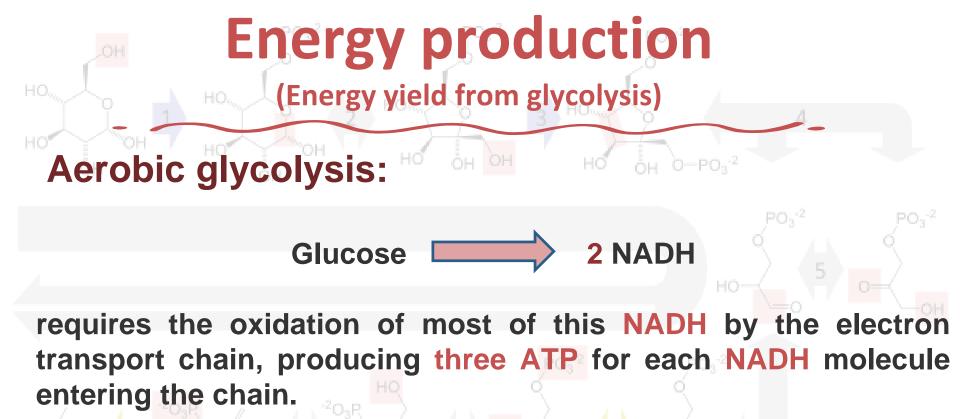
the Glycolysis Pathway

Aerobic Pathway Anaerobic Pathway

Pyruvate is the end Lactate is the end product of glycolysis.



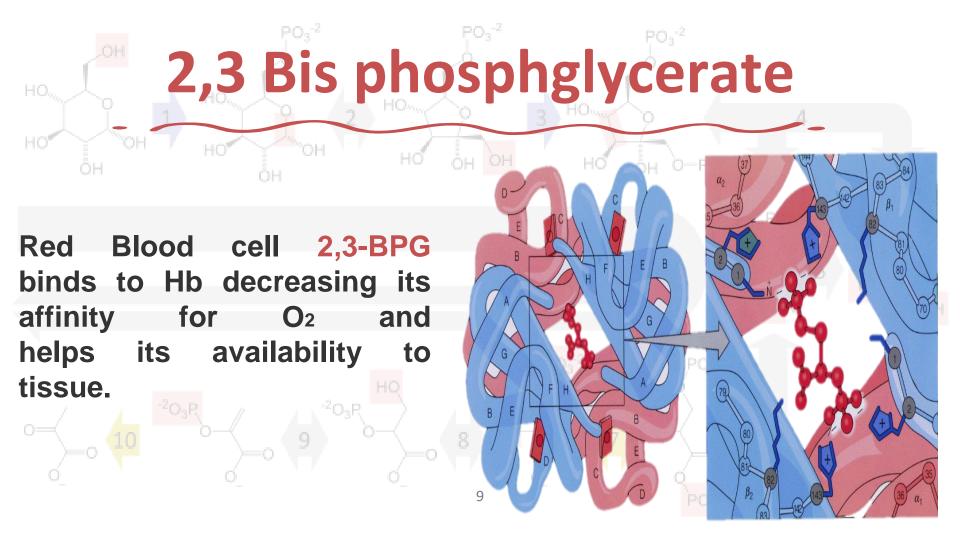




Synthetic Function

- Glycolysis occurs within mitochondria which gives acetyl CoA for CAC and for the synthesis with pyruvate of fatty acids, sterol and ketone bodies.
- Glycolysis gives dihydroxy acetone phosphate (DHAP) that may be converted to glycerol.

• Non-essential amino acid.



Summary

- Glycolysis is the oxidation of Glucose and converted to pyruvate or lactate depending on if it is aerobic or anaerobic pathway
- it has three functions :
 - Energy Production (ATP) .
 - Synthetic Function.
 - 2,3 Bis phosphglycerate.

References

11

□ Lippincotts Illustrated Reviews Biochemistry 3rd Edition.

