



Module 12

Pentose Phosphate Pathway

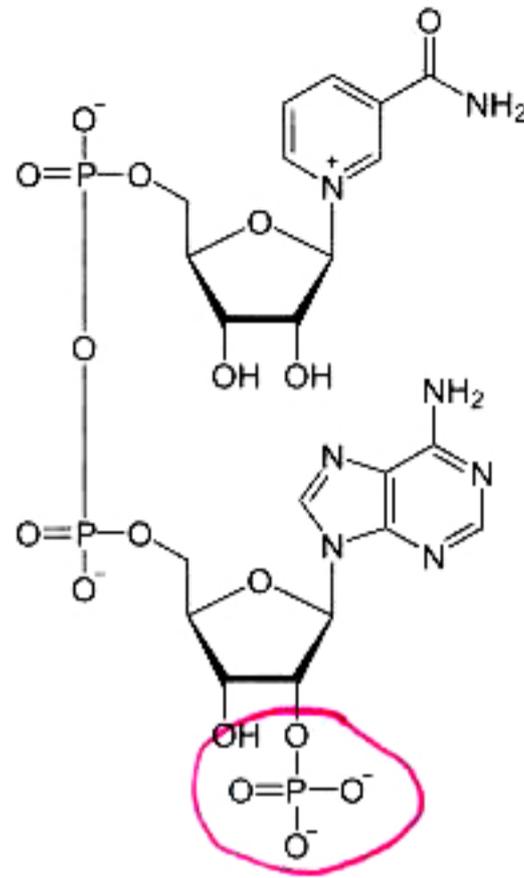
Session Slides with Notes

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NADPH brings
reducing equivalents
to biosynthesis

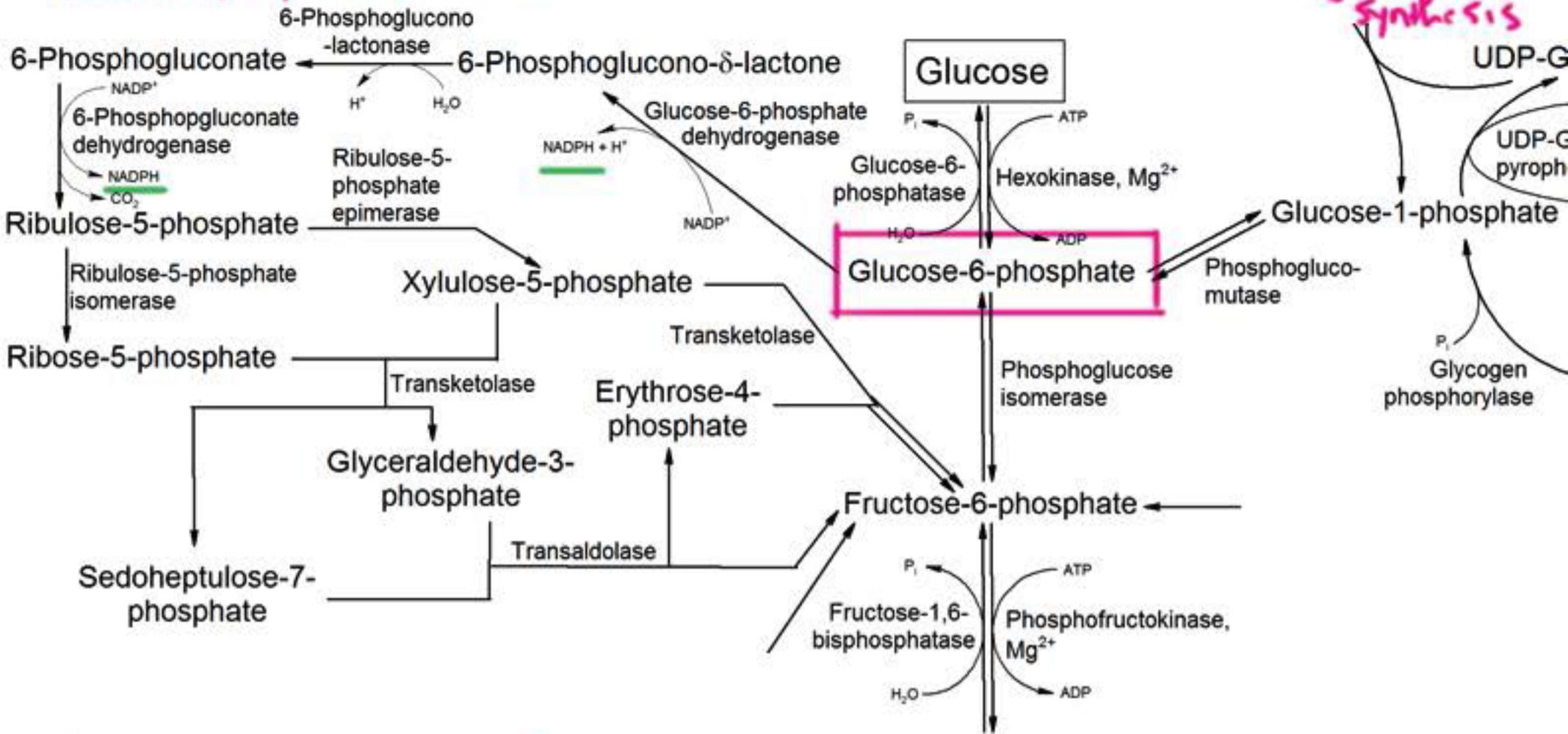
primary source is PPP



NADP⁺

pentose phosphate pathway

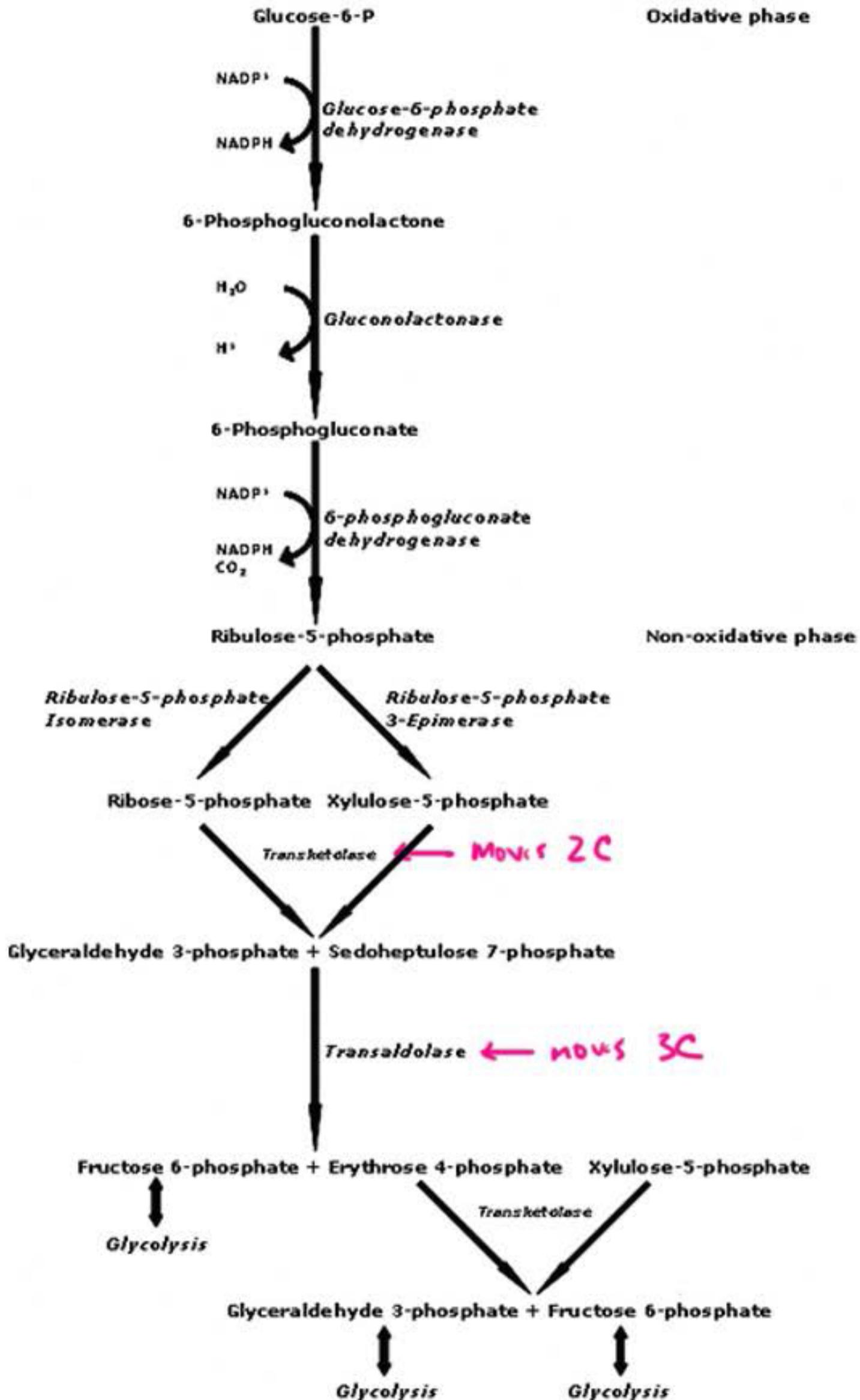
glycogen synthesis



PPP - source of NADPH and ribose

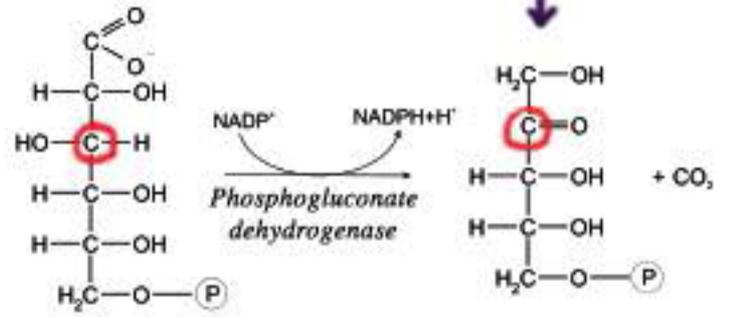
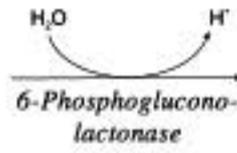
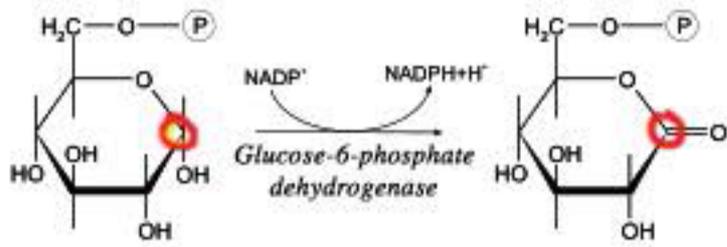
glycolysis

Pentose Phosphate pathway

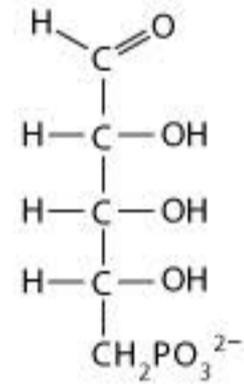
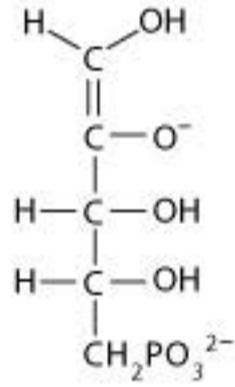
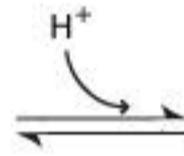
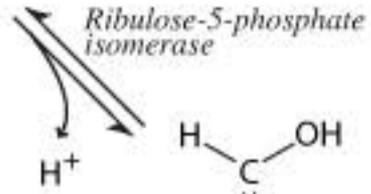
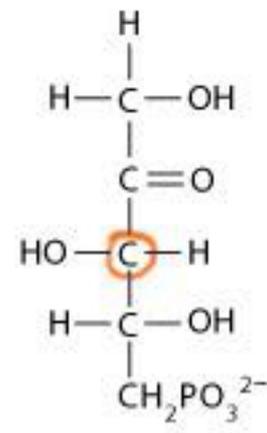
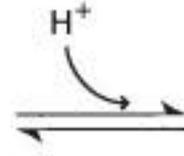
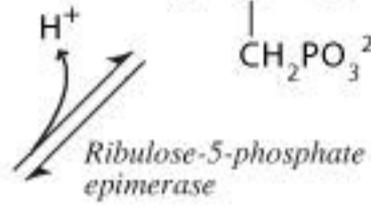
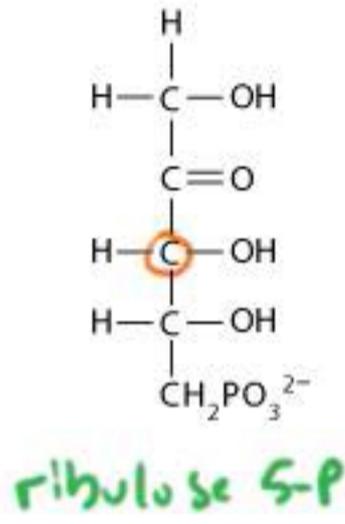


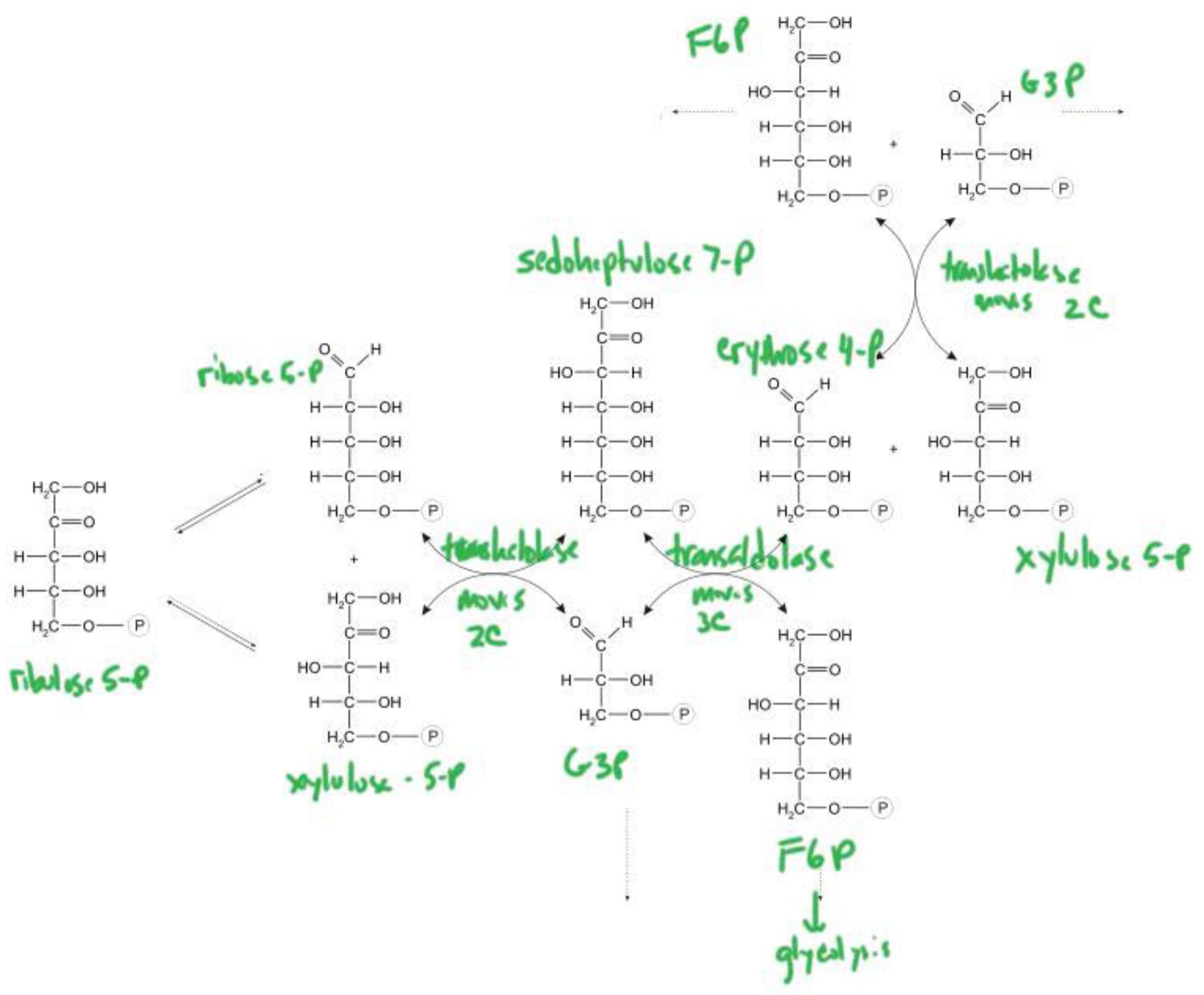
Oxidative part

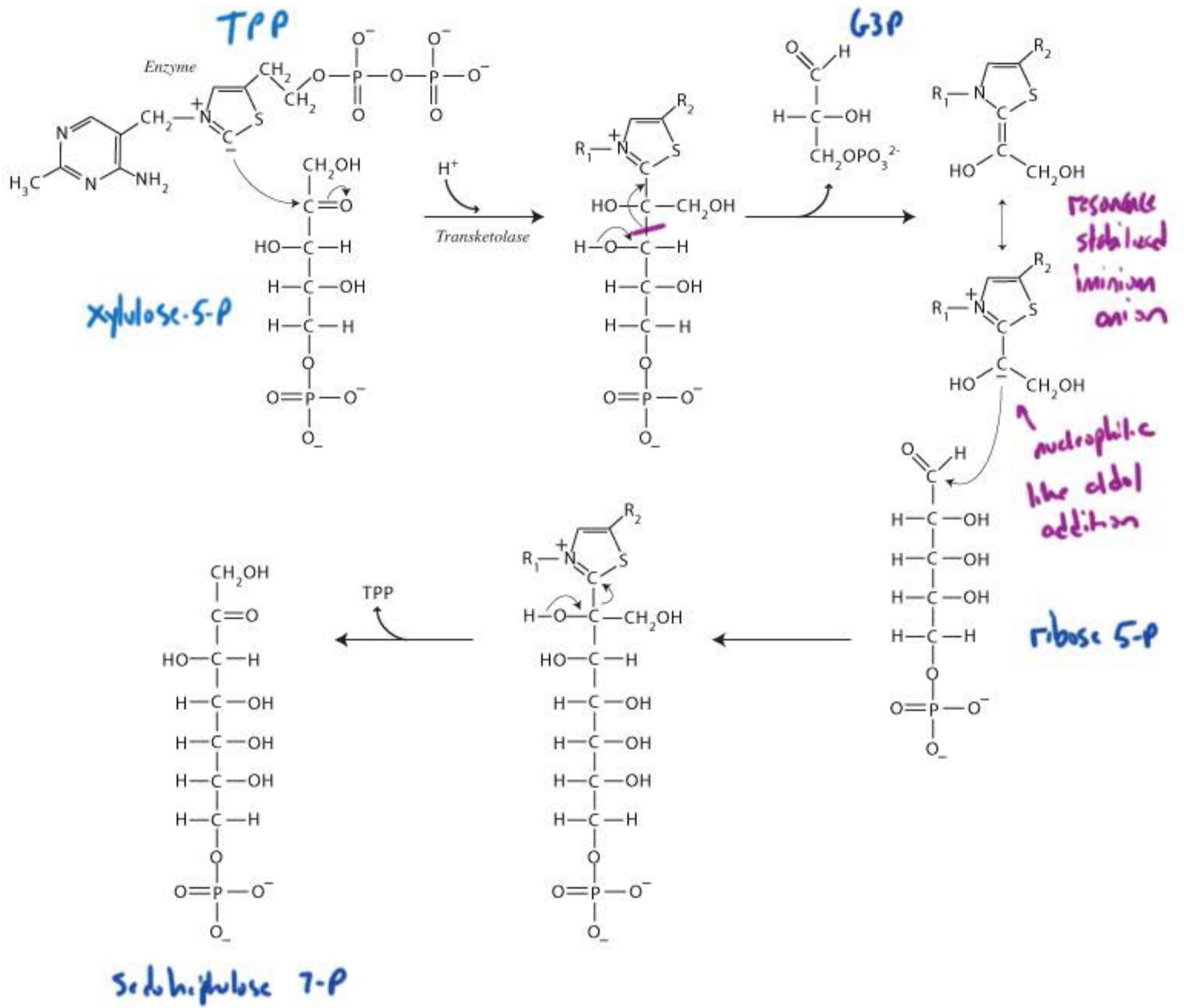
ribose 5-P



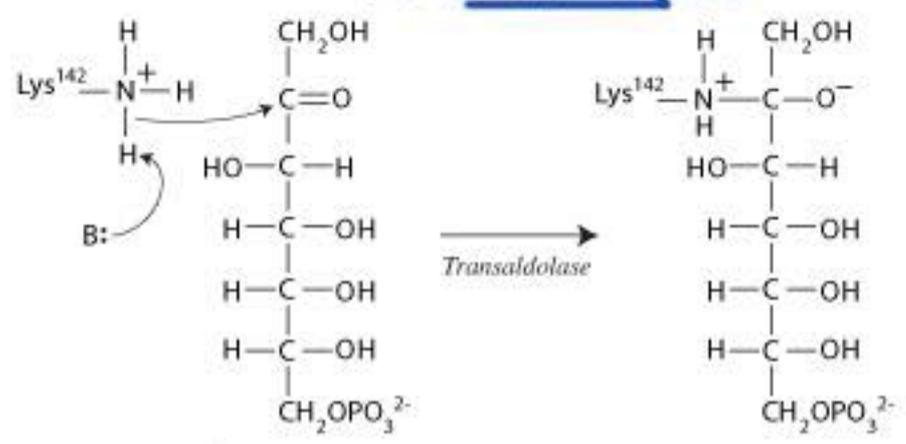
oxidative branch
β keto acid
which decarboxylates



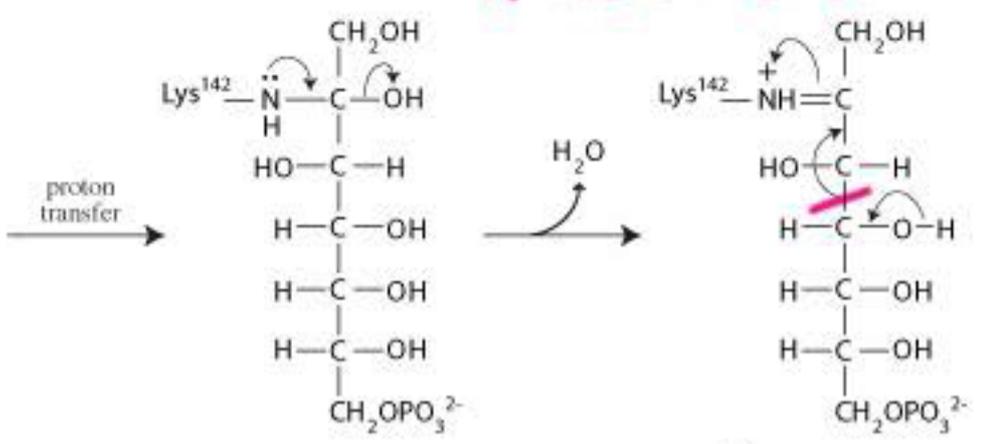




imine formation



transaldolase



Sedohexulos.

