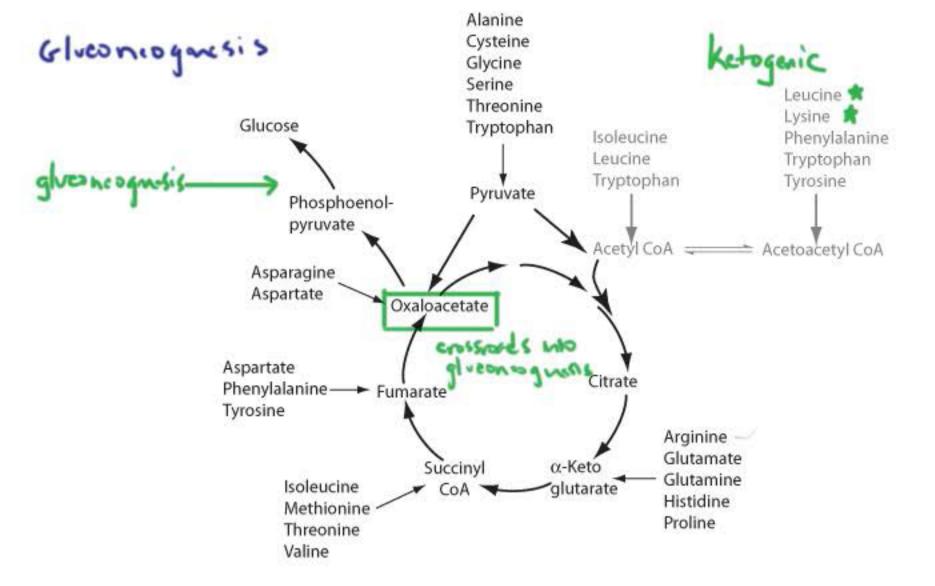


Gluconeogenesis

Session Slides with Notes

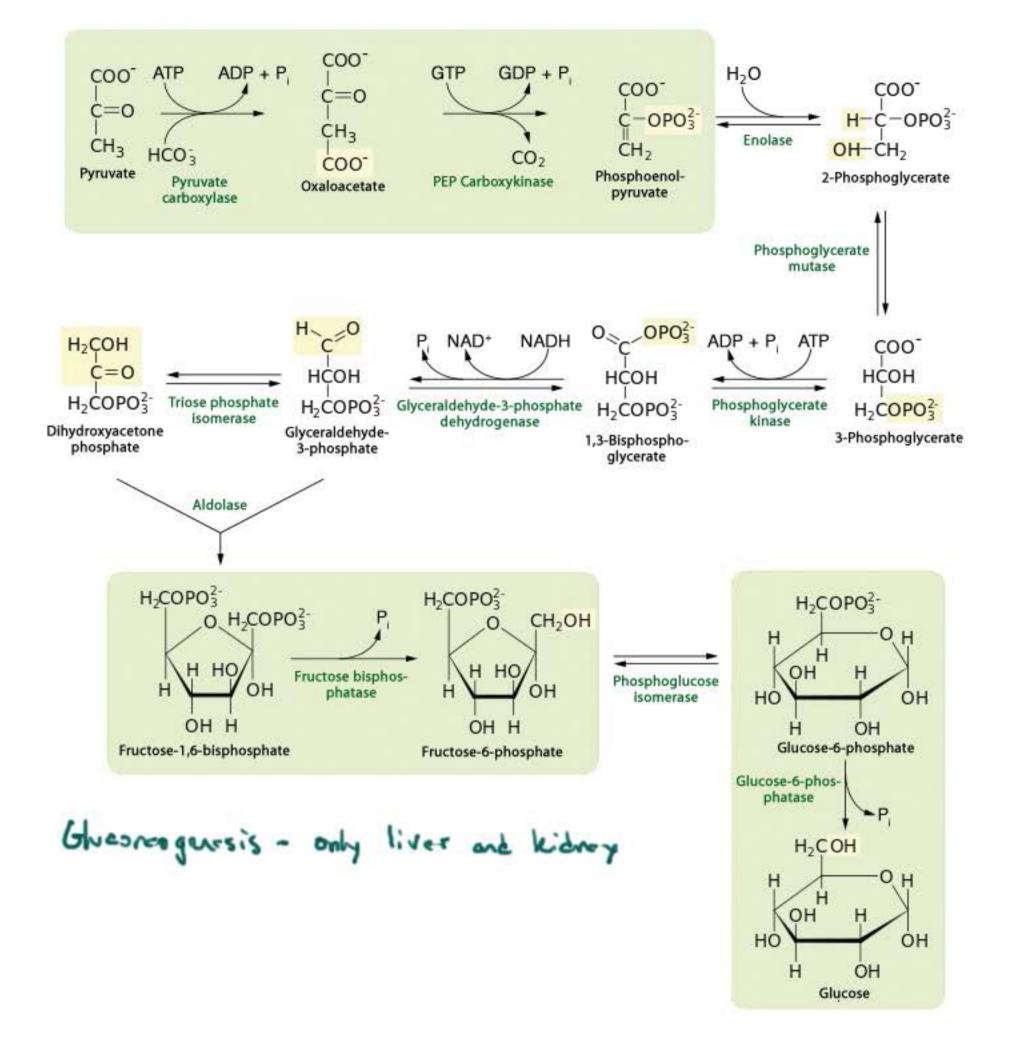
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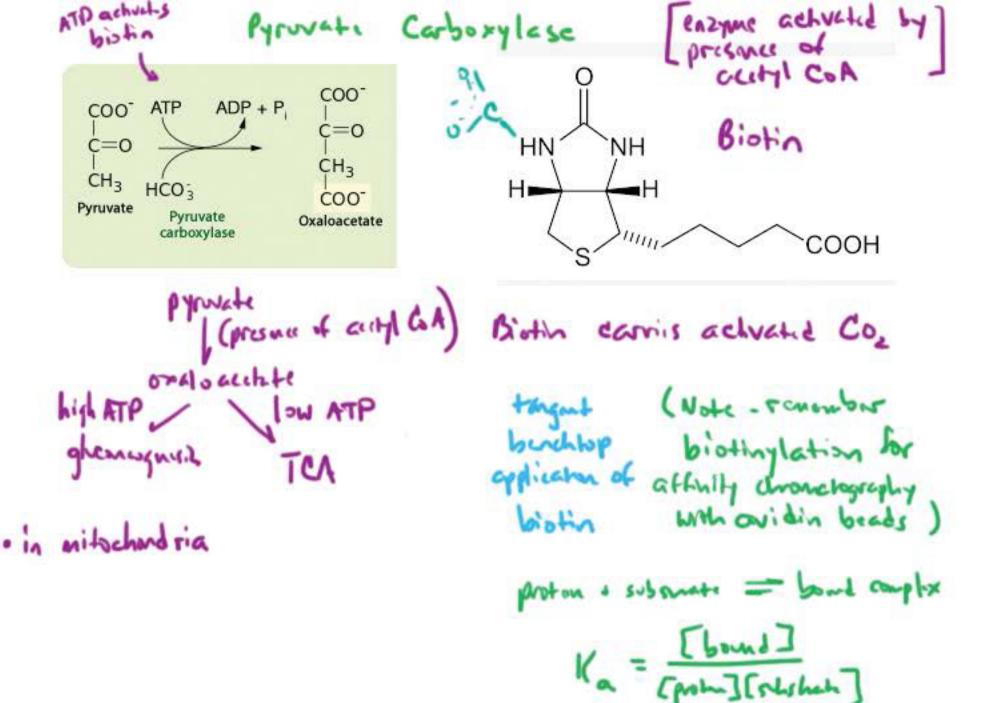




most importent procursors

- · omino kads
- · loctate
- · ghurol

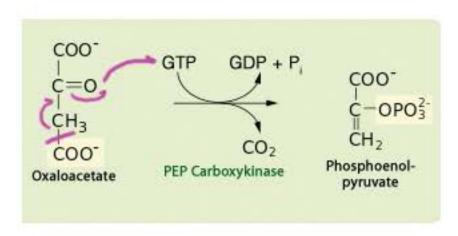




nudrophlic

Pyrovato Caloryless

pyrovate



PEP-CK reaction may happen in either the cytosol or the mitochondrion, actually. It depends on the gluconeogenic precursor. If lactate is the precursor, PEP-CK happens in the mitochondrion. This is because lactate to pyruvate will generate the NADH gluconeogenesis needs later, so there is no need to move one to the cytosol. If the precursor is glycerol or an amino acid, on the other hand, the NADH (equivalent) is carried out to the cytosol before PEP-CK with the oxaloacetate being transported out as malate. This is just on the edge of the MCAT knowledge, probably.

In cytosol

· PKA
activates
transcription
foor

