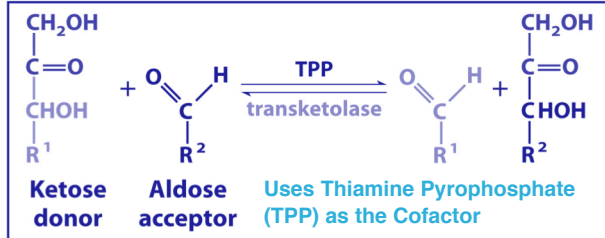
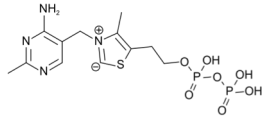
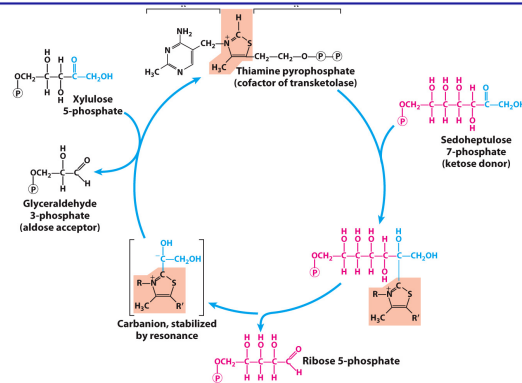


Photosynthesis

Transketolase:
exchange of 2C
from ketose to an
aldose acceptor

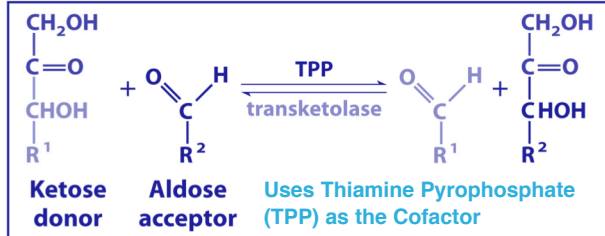
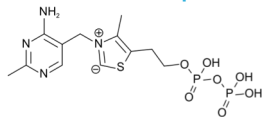


OVERALL Reaction:



Photosynthesis

Transketolase:
exchange of 2C
from ketose to an
aldose acceptor



- Contains thiazolium anion for nucleophilic attack on carbonyls of ketose

- Also used by:

- pyruvate dehydrogenase in acetyl CoA formation
- pyruvate decarboxylase in ethanol metabolism
- α -ketoglutarate dehydrogenase in CAC
- transketolase in pentose phosphate pathway

