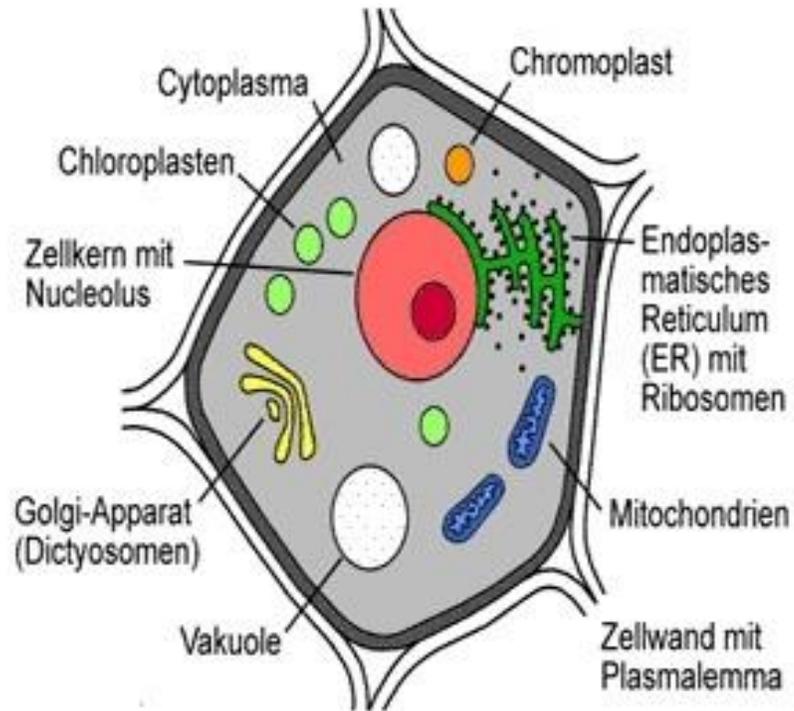


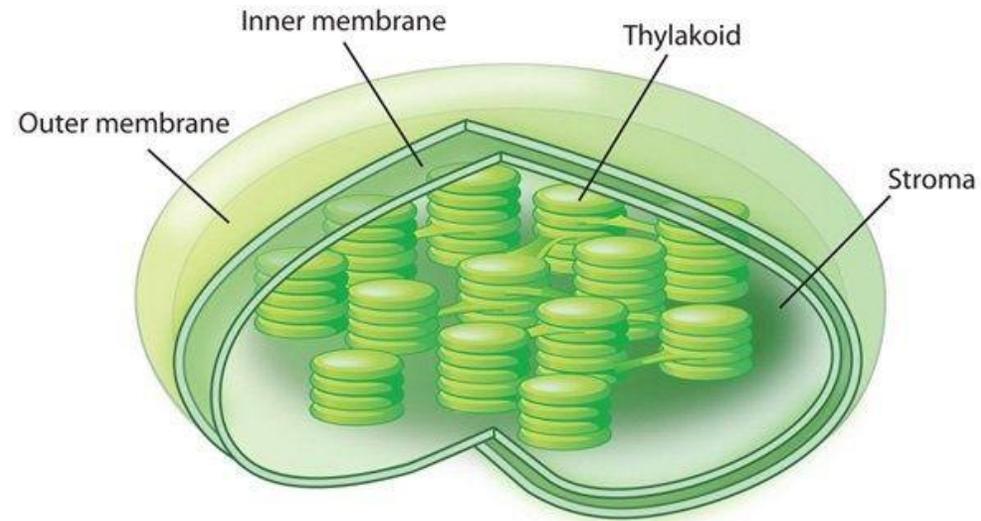
Photosynthese

Die Photosynthese läuft in den Chloroplasten ab und besteht aus 2 Teilschritten: Lichtreaktion und Dunkelreaktion

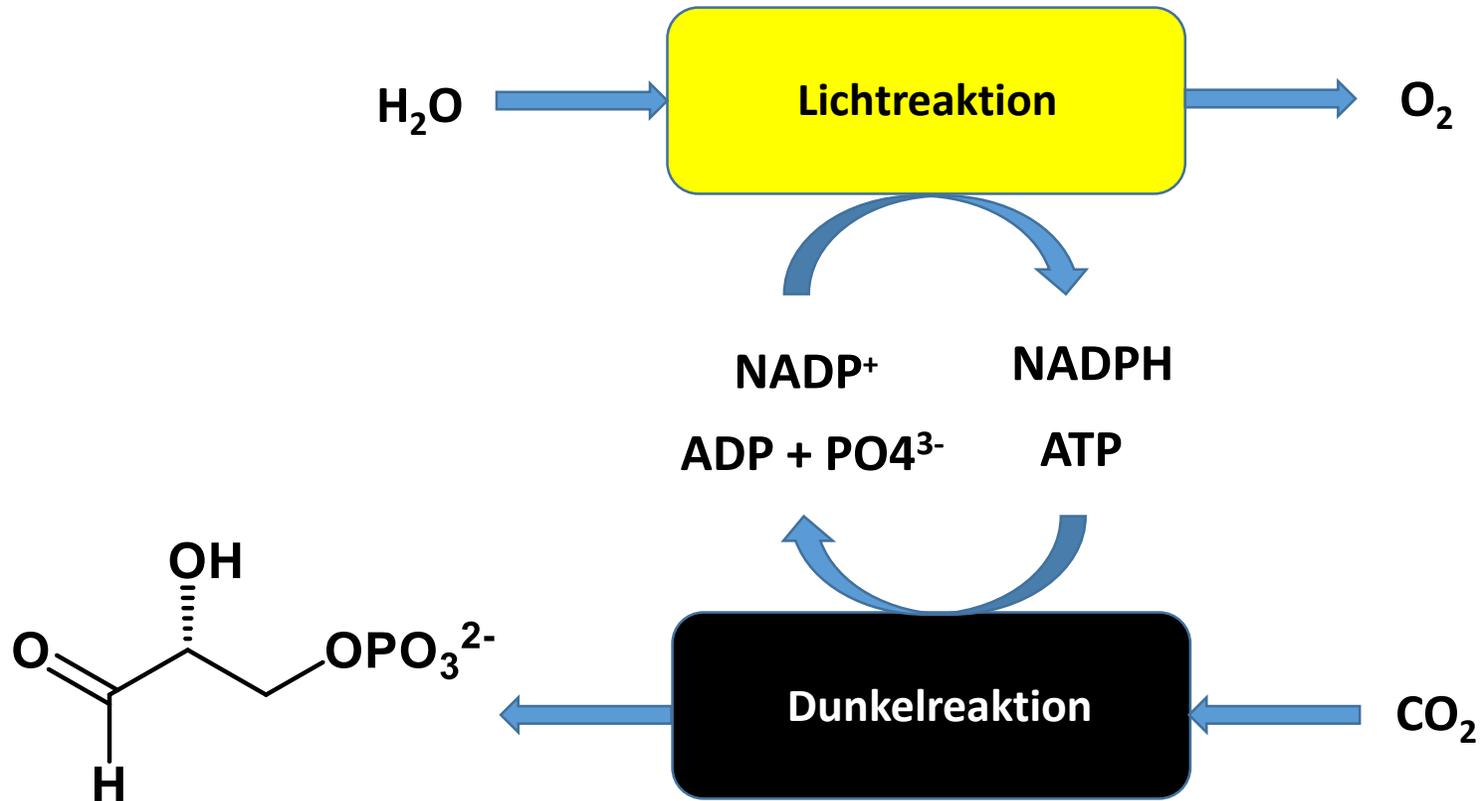
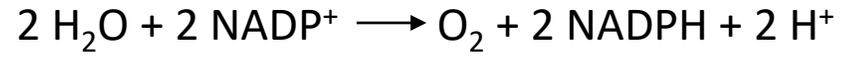
Aufbau einer pflanzlichen Zelle



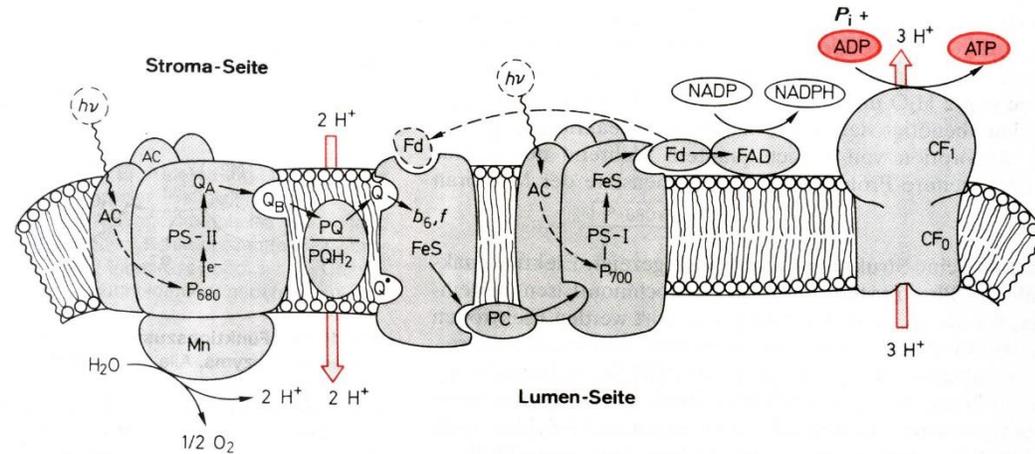
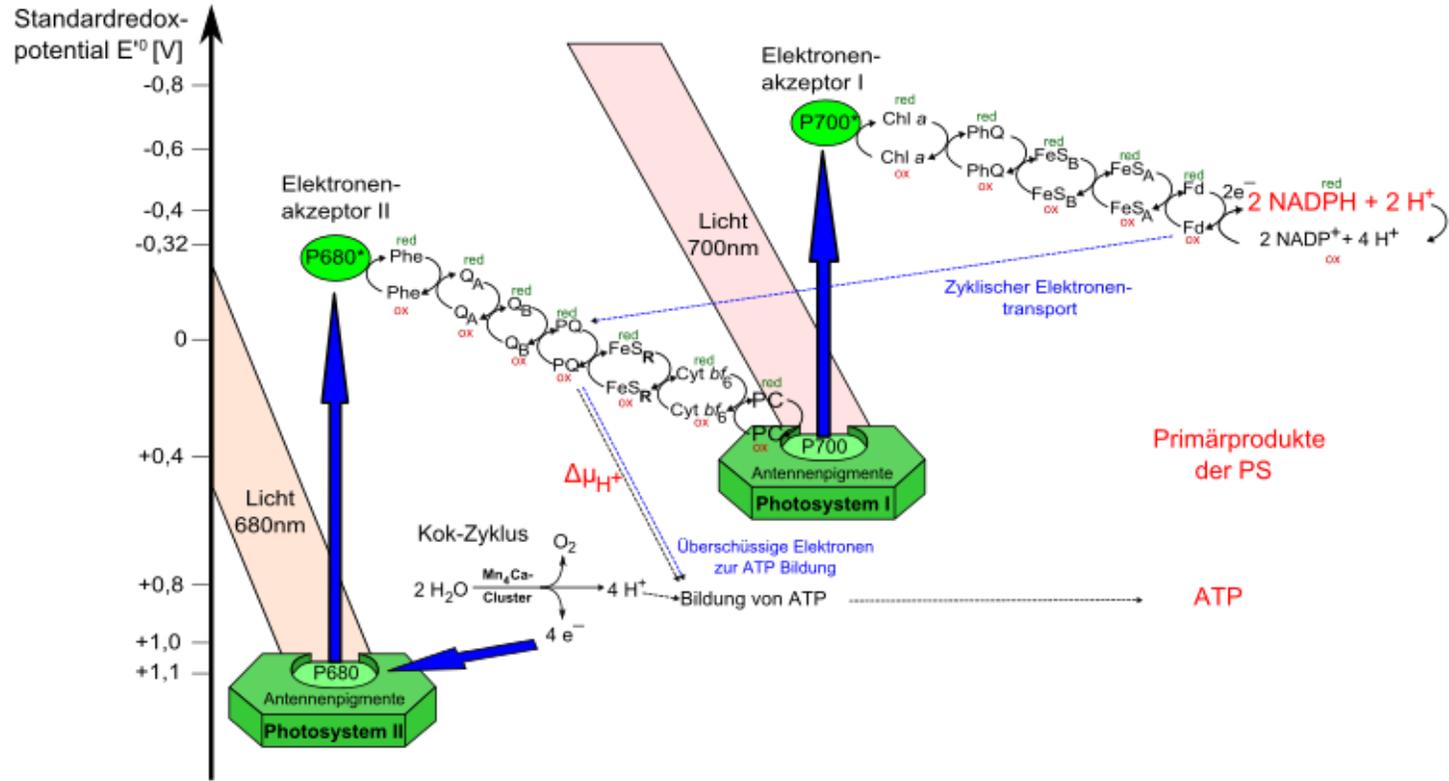
Aufbau eines Chloroplasten



Photosynthese

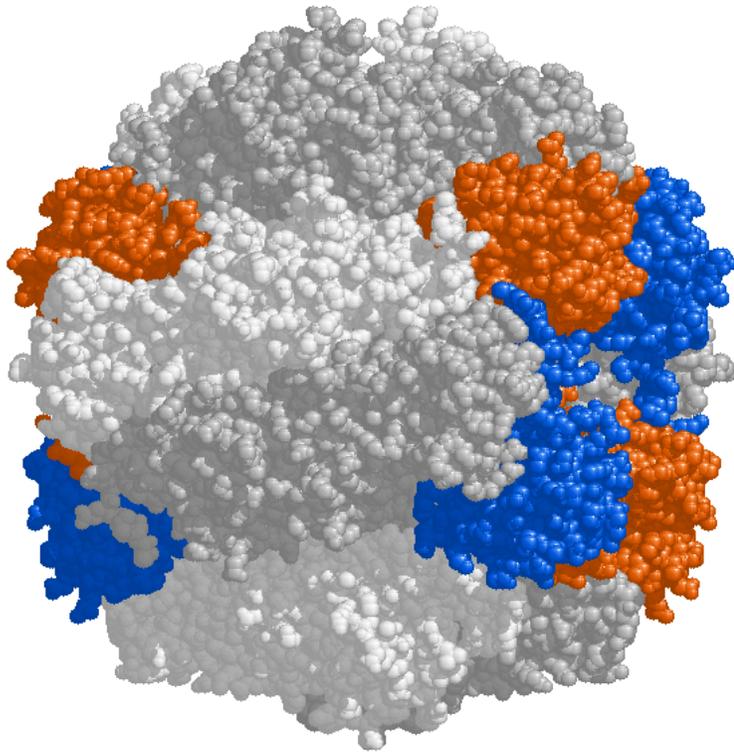


Photosynthese Lichtreaktion

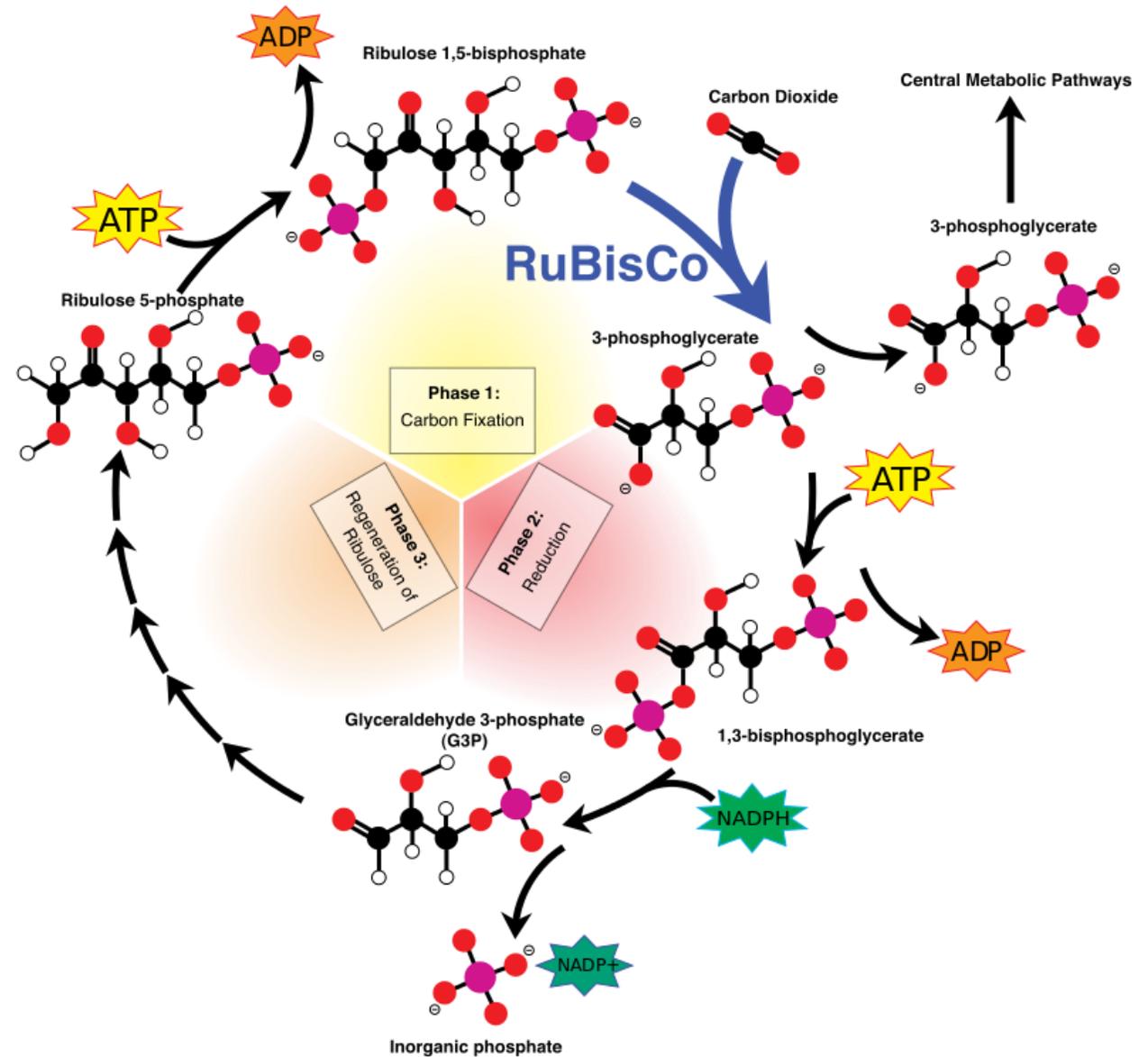


Photosynthese Dunkelreaktion

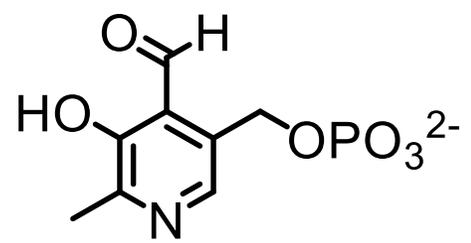
Ribulose-1,5-bisphosphate carboxylase/oxygenase



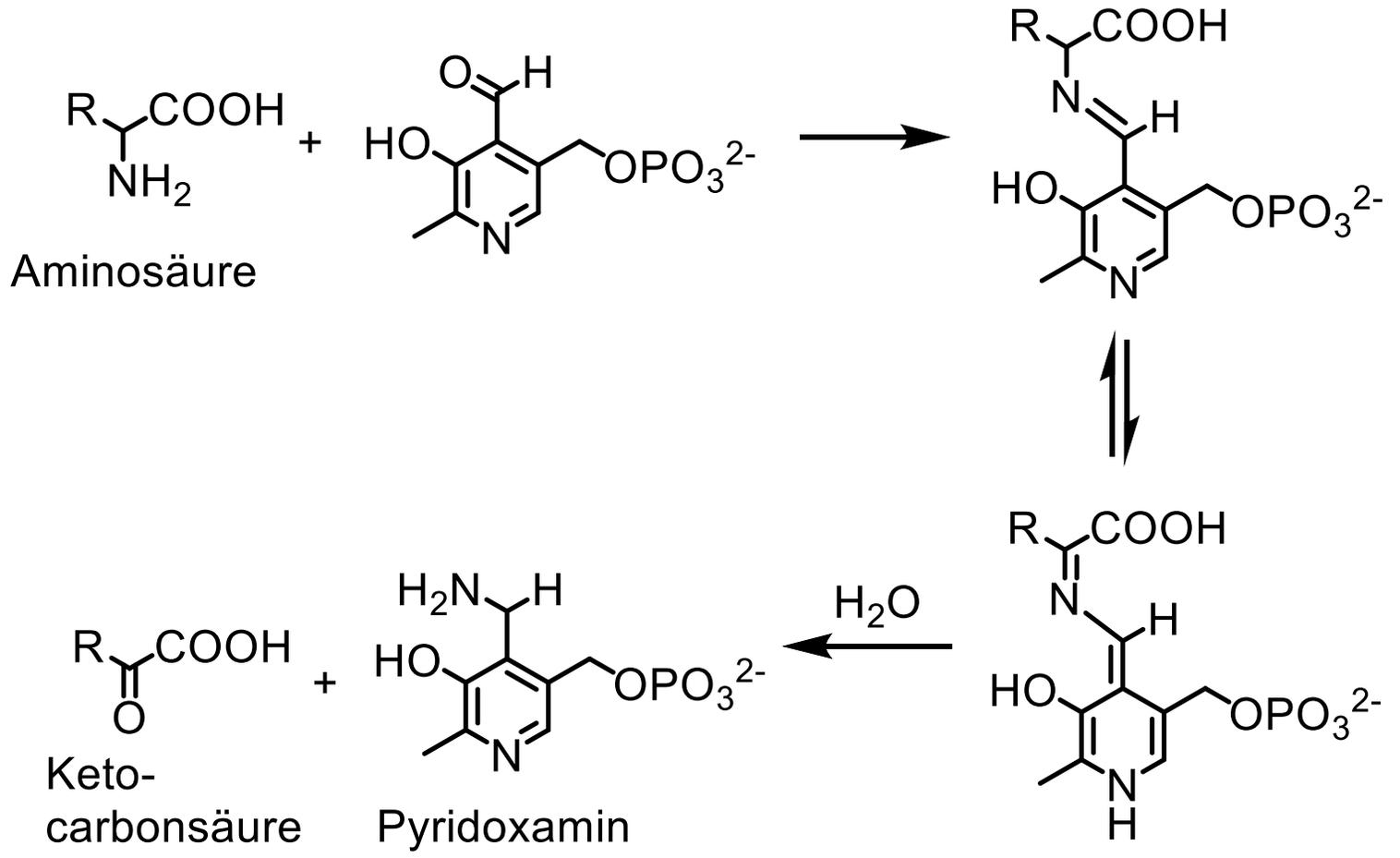
Space-filling view of RuBisCO showing the arrangement of the 55 kDa large chain dimers (white/grey) and the 13 kDa small chains (blue and orange)



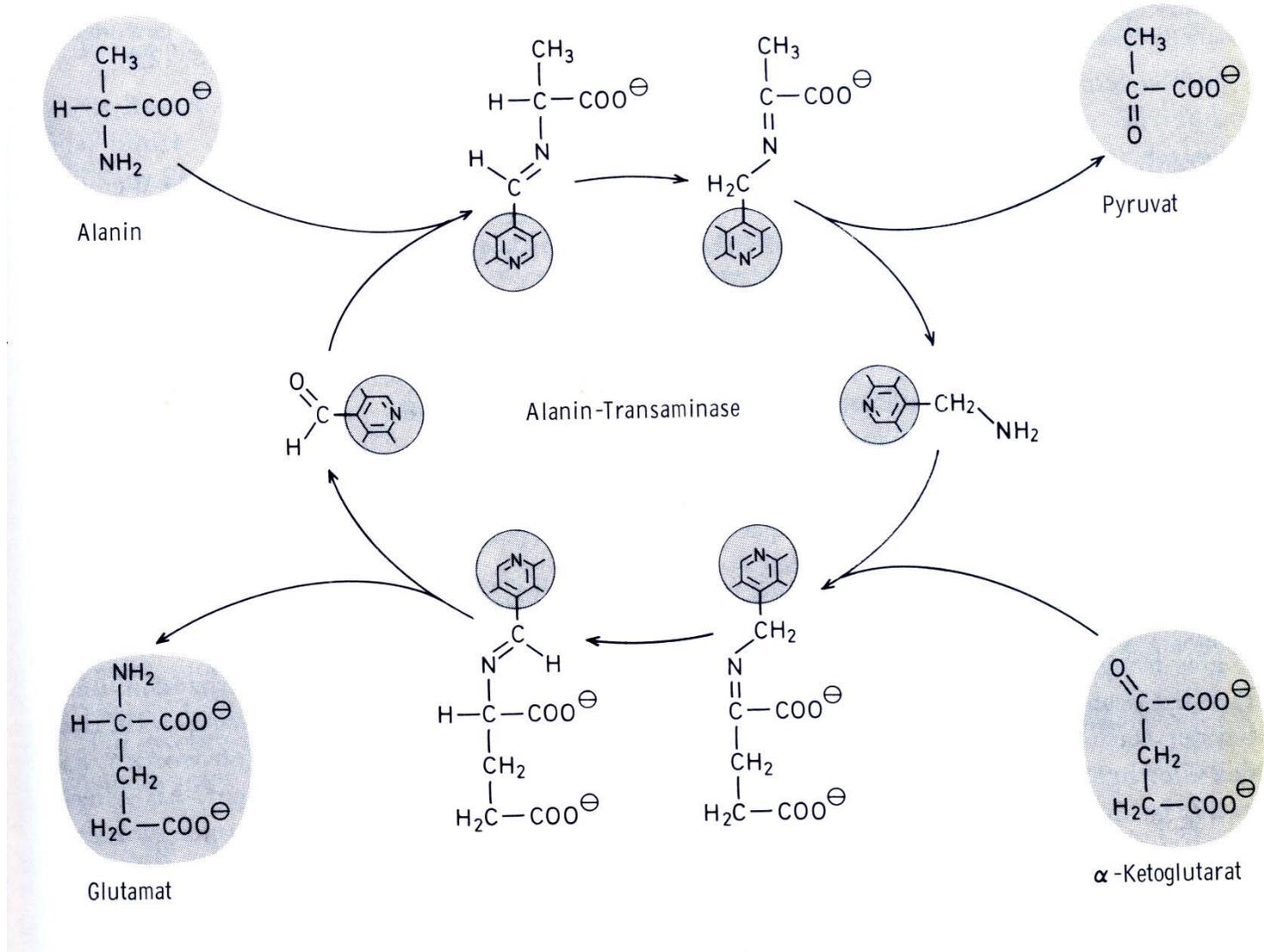
Transaminierung



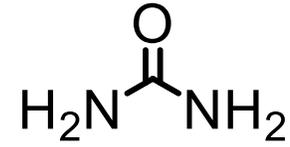
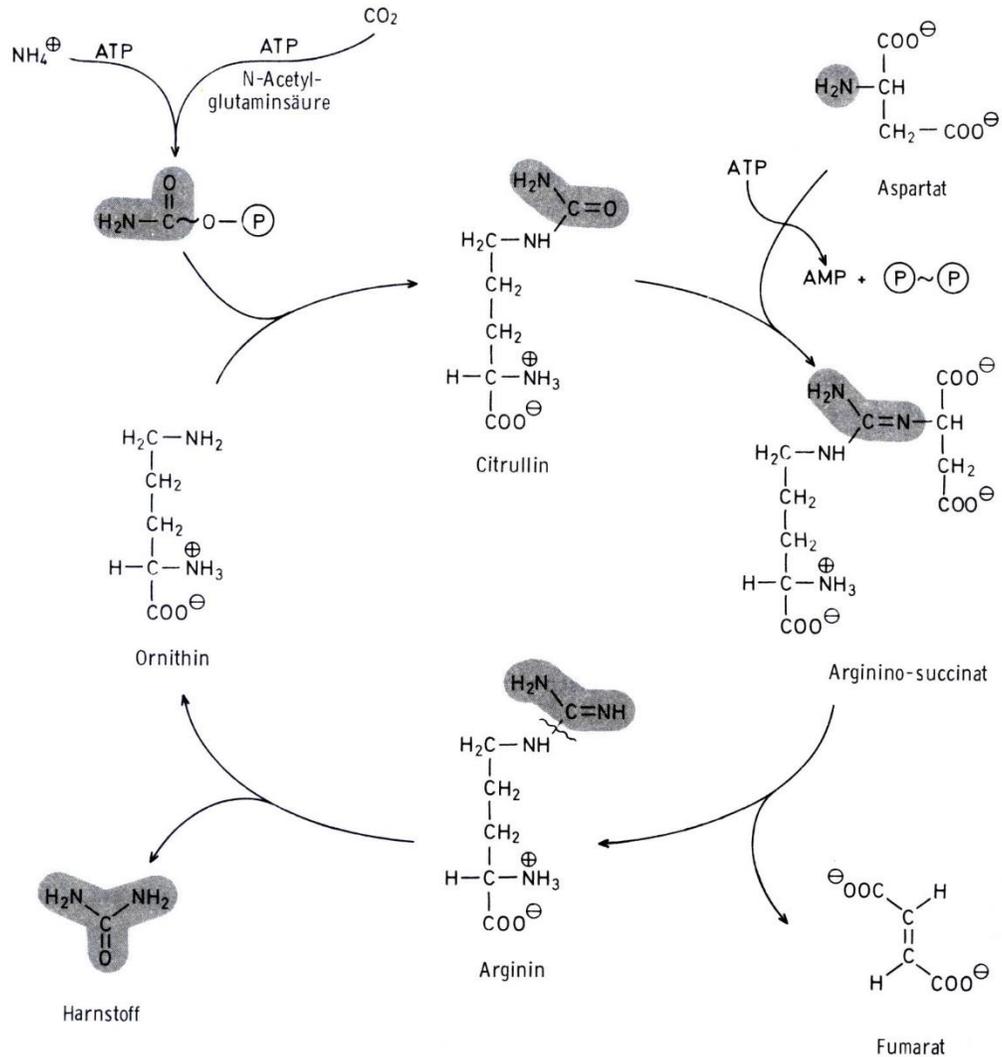
Cofaktor der Transaminierung
Pyridoxalphosphat (Vitamin B6)



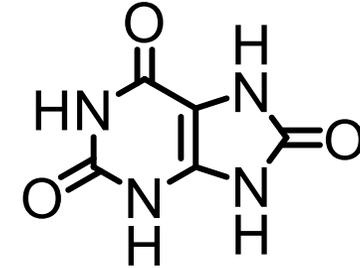
Transaminierung



Harnstoffzyklus



Harnstoff (Urea)
Ureotelische Lebewesen
(v.a. Säuger)



Harnsäure (Uric acid)
Uricotelische Lebewesen
(v.a. Vögel)



Ammoniak
(v.a. Fische)

Harnstoffzyklus

