

Amino Acid Oxidation and the Production of Urea

توالی برخی اسیدهای آمینه تخریب پروتئین را هدف دار می نماید

- PEST
- Pro
- Glu
- Ser
- Thr

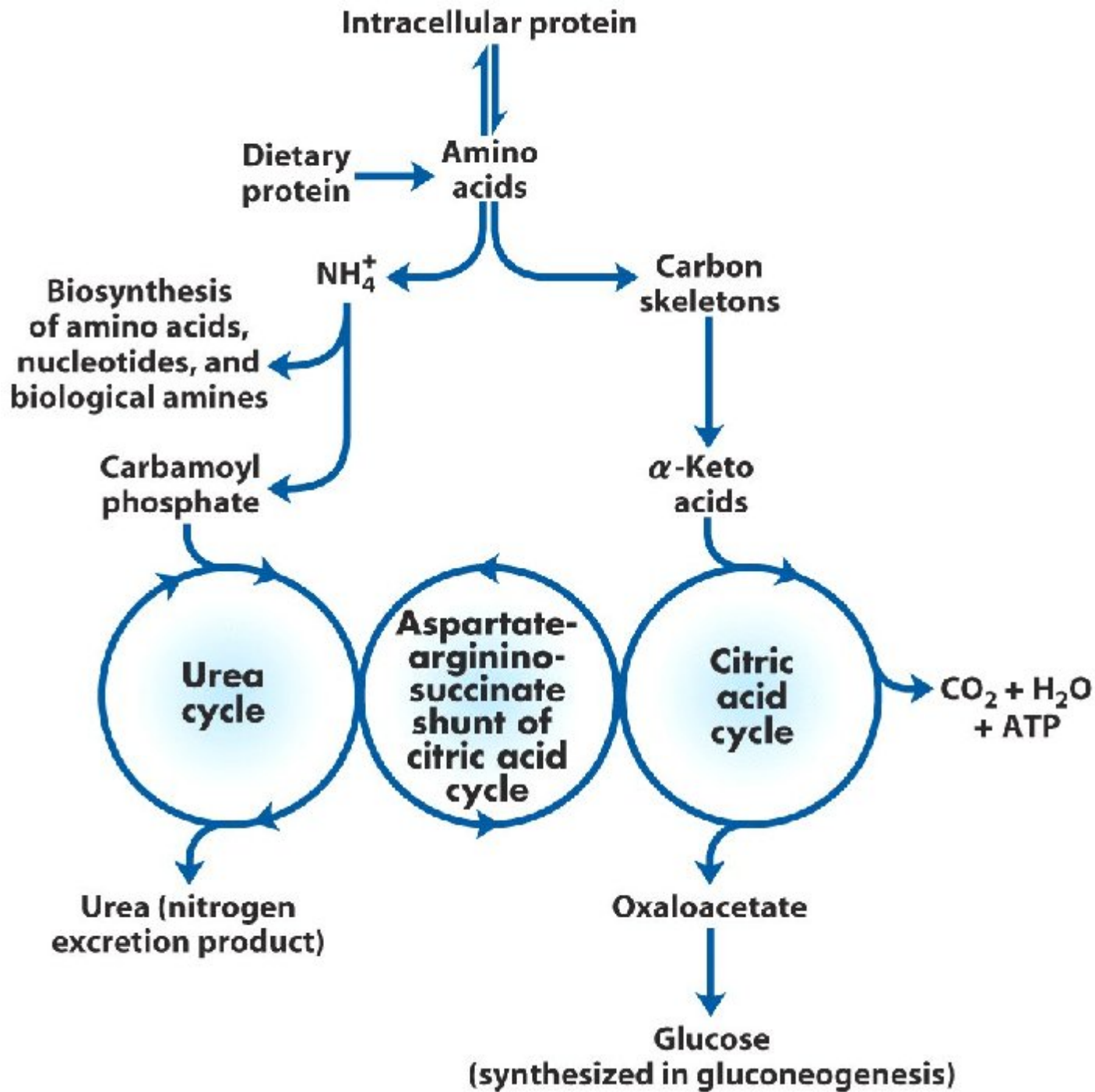
نقش اوبی کوئیتین

اوبی کوئیتین به آمینو لیزین پروتئین هدف

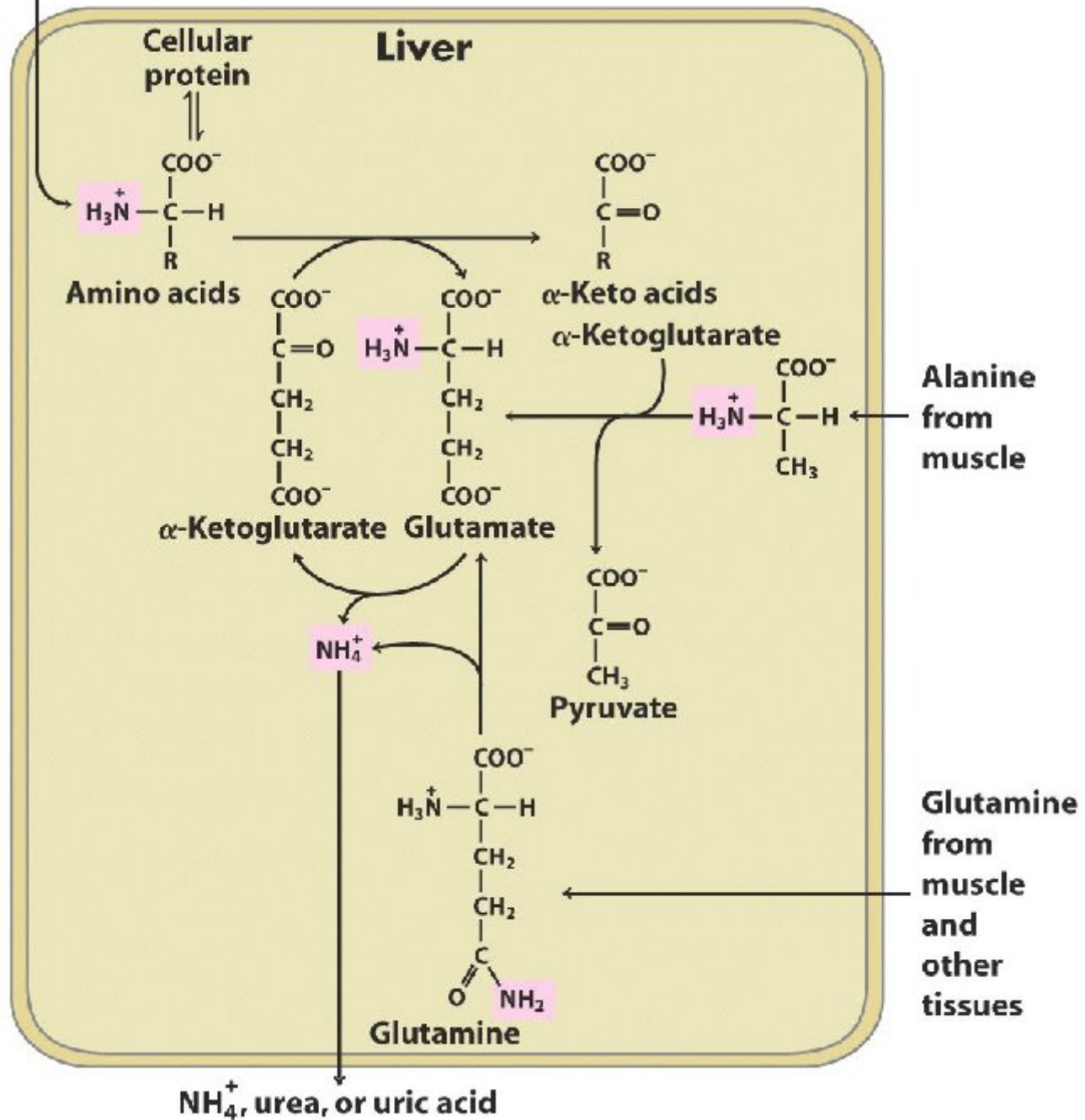
متصل می شود

Ser – met

Asp - Arg



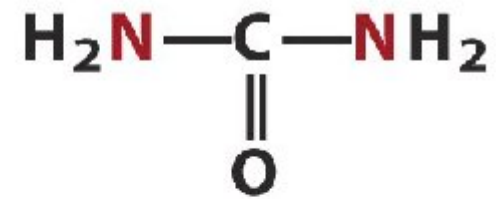
Amino acids from ingested protein





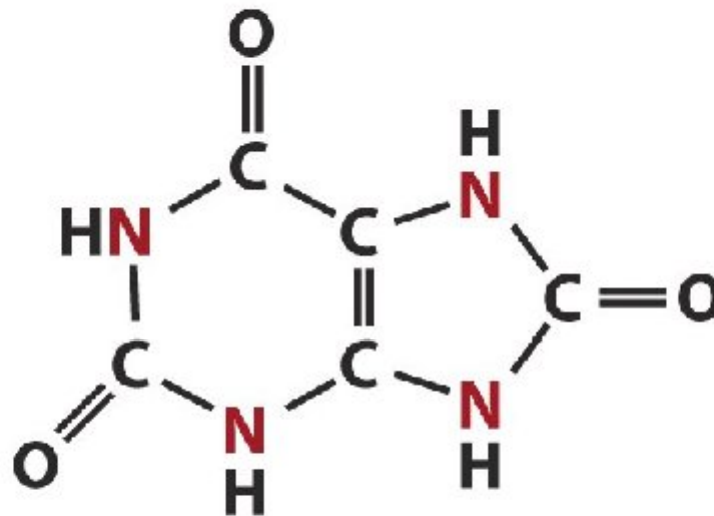
Ammonia (as ammonium ion)

Ammonotelic animals: most aquatic vertebrates, such as bony fishes and the larvae of amphibia



Urea

Ureotelic animals: many terrestrial vertebrates; also sharks

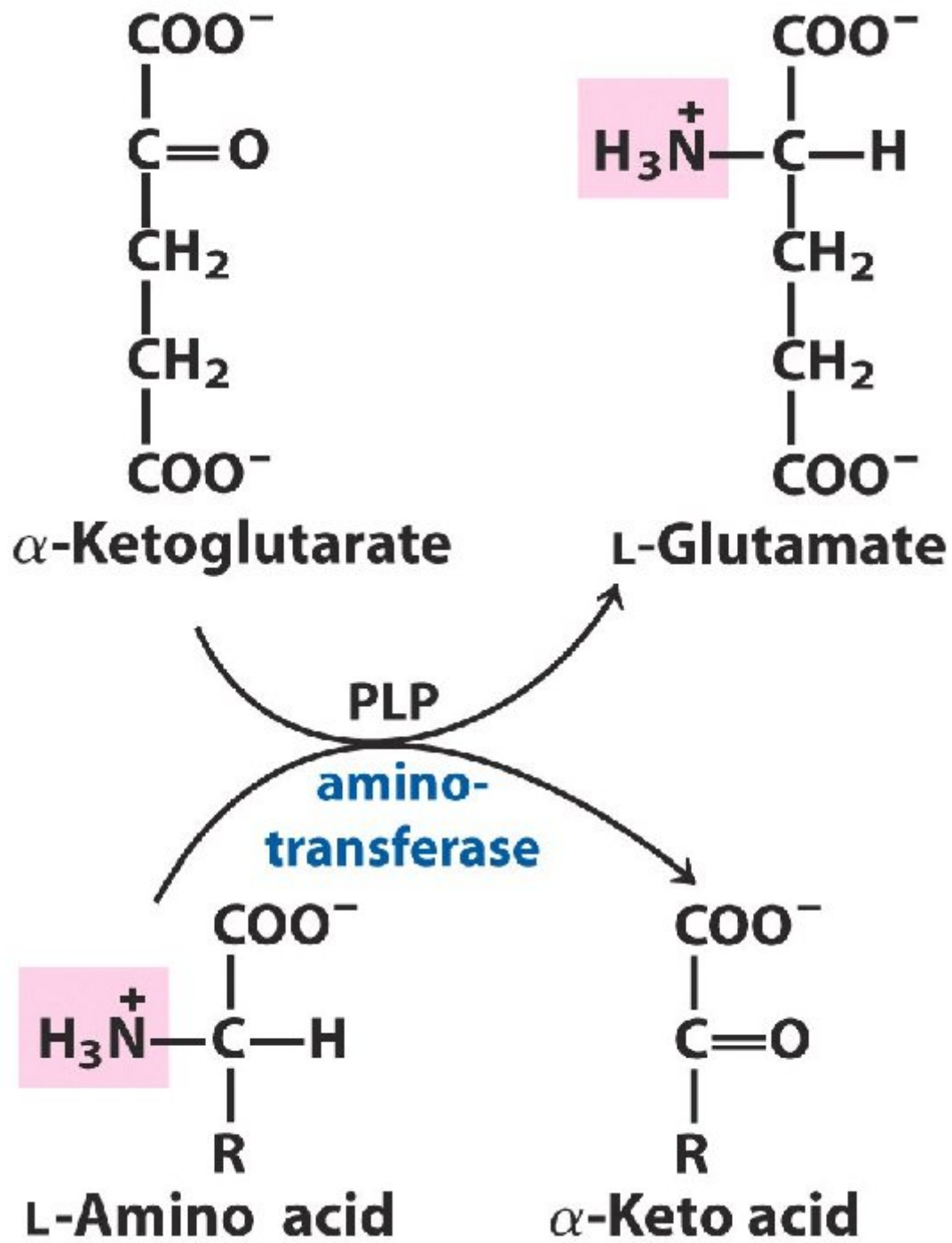


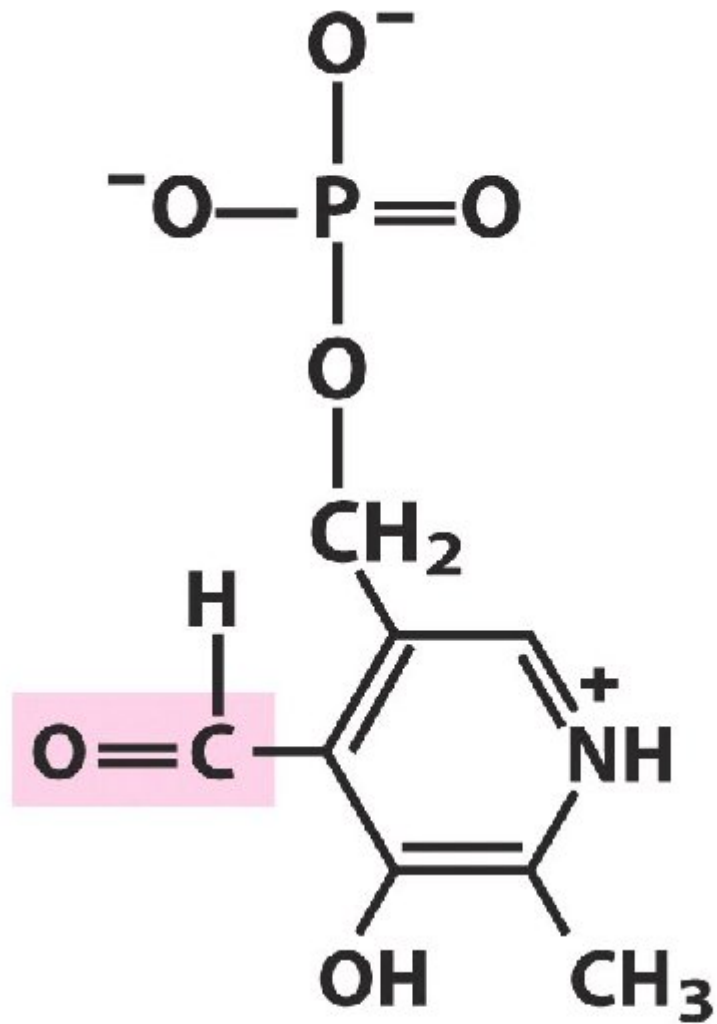
Uric acid

Uricotelic animals: birds, reptiles

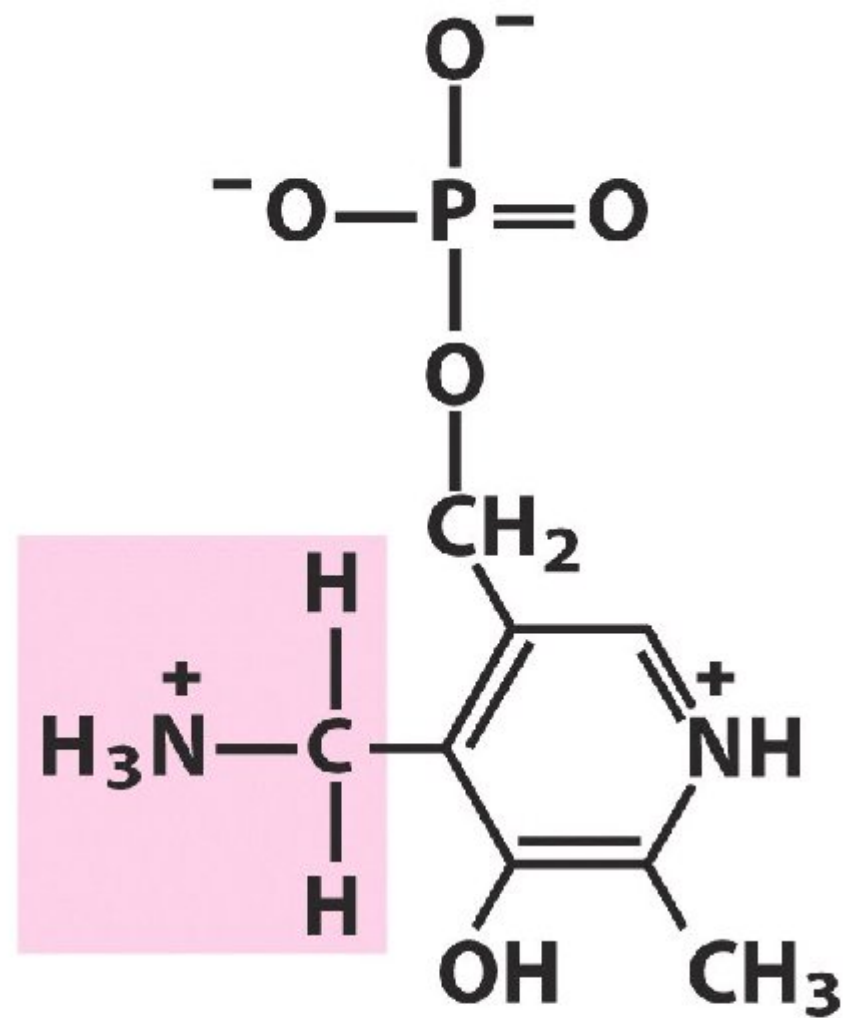
transamination

- Lys
- Thr
- Pro
- OH-Pro

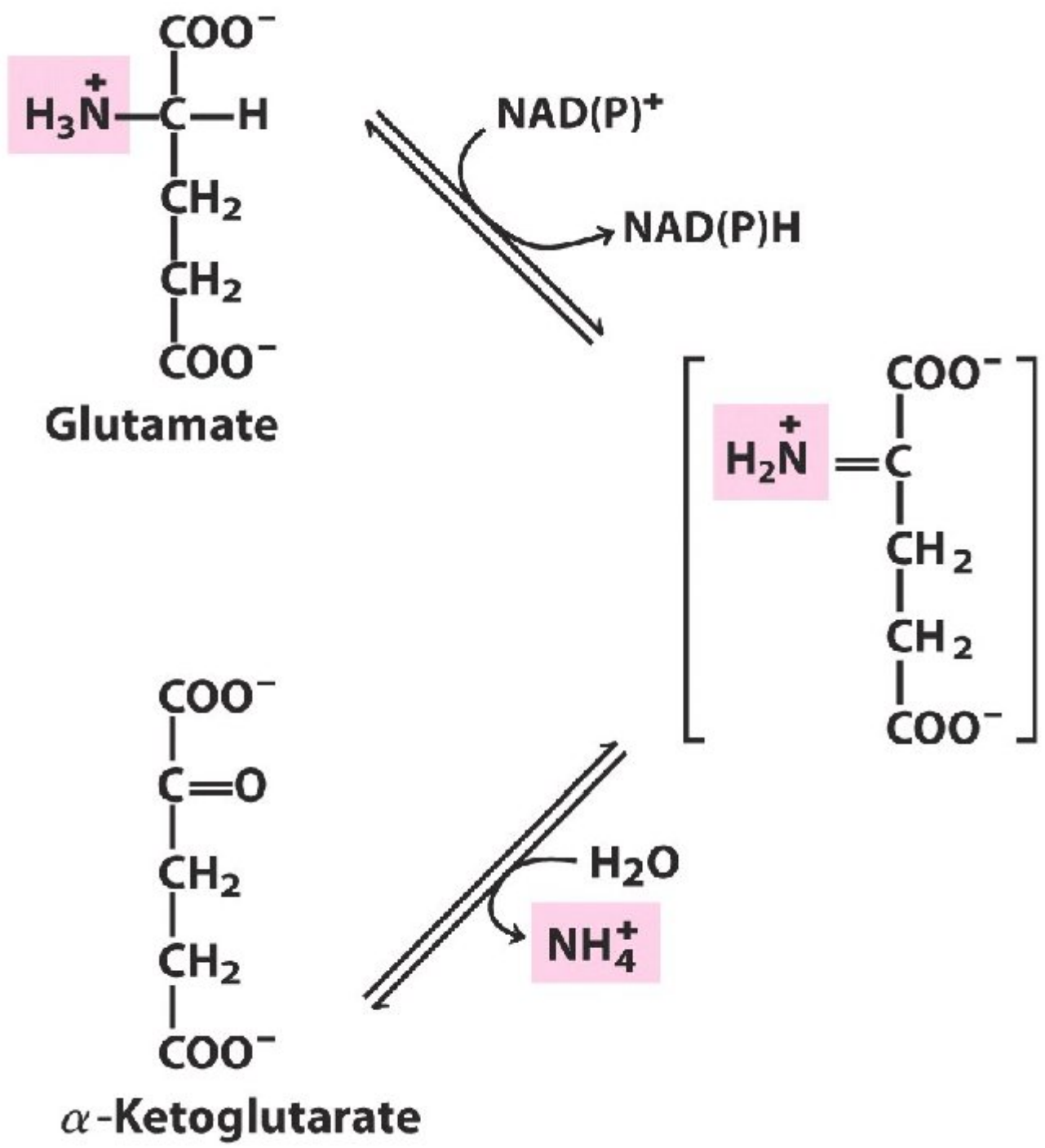


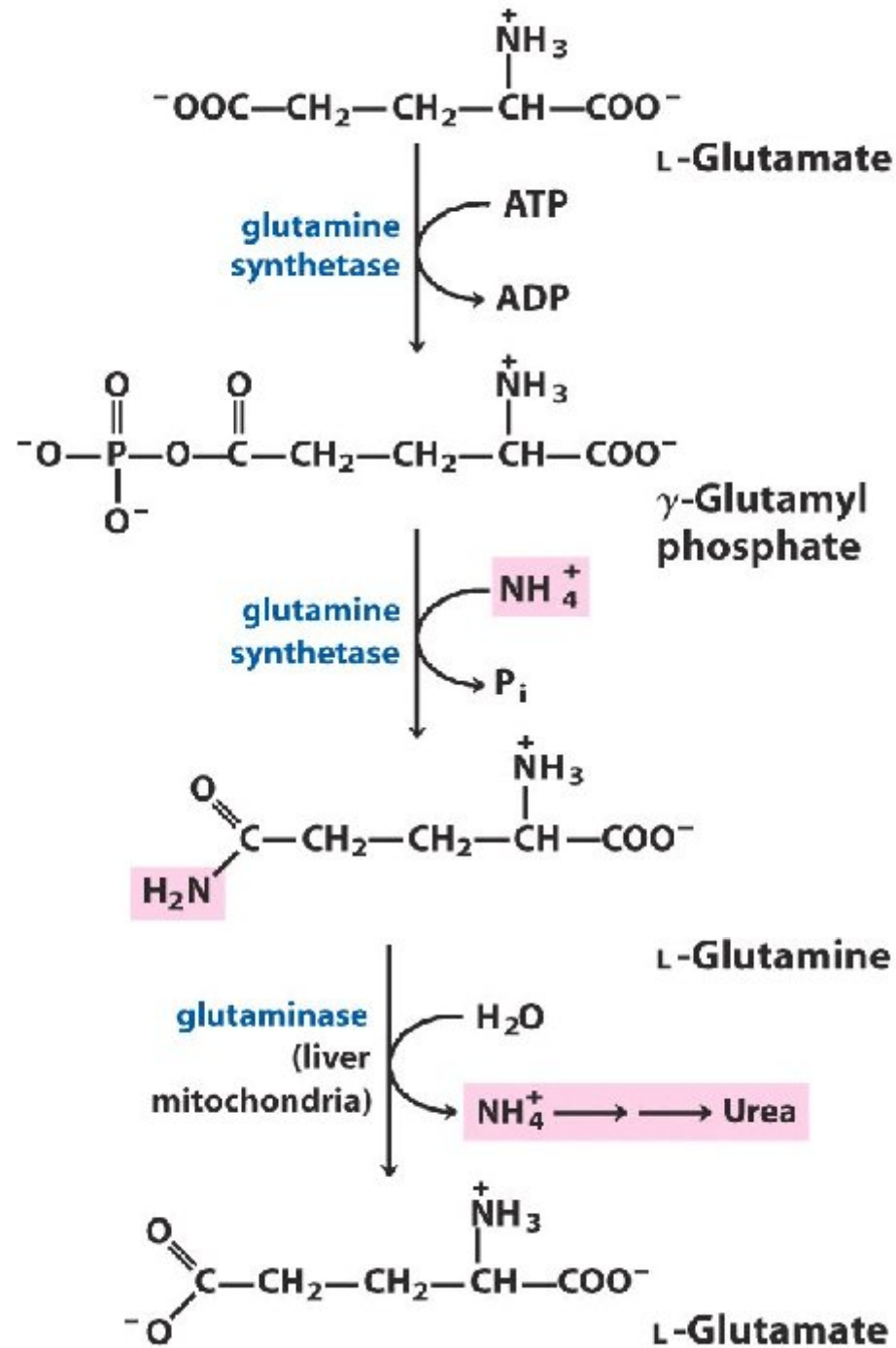


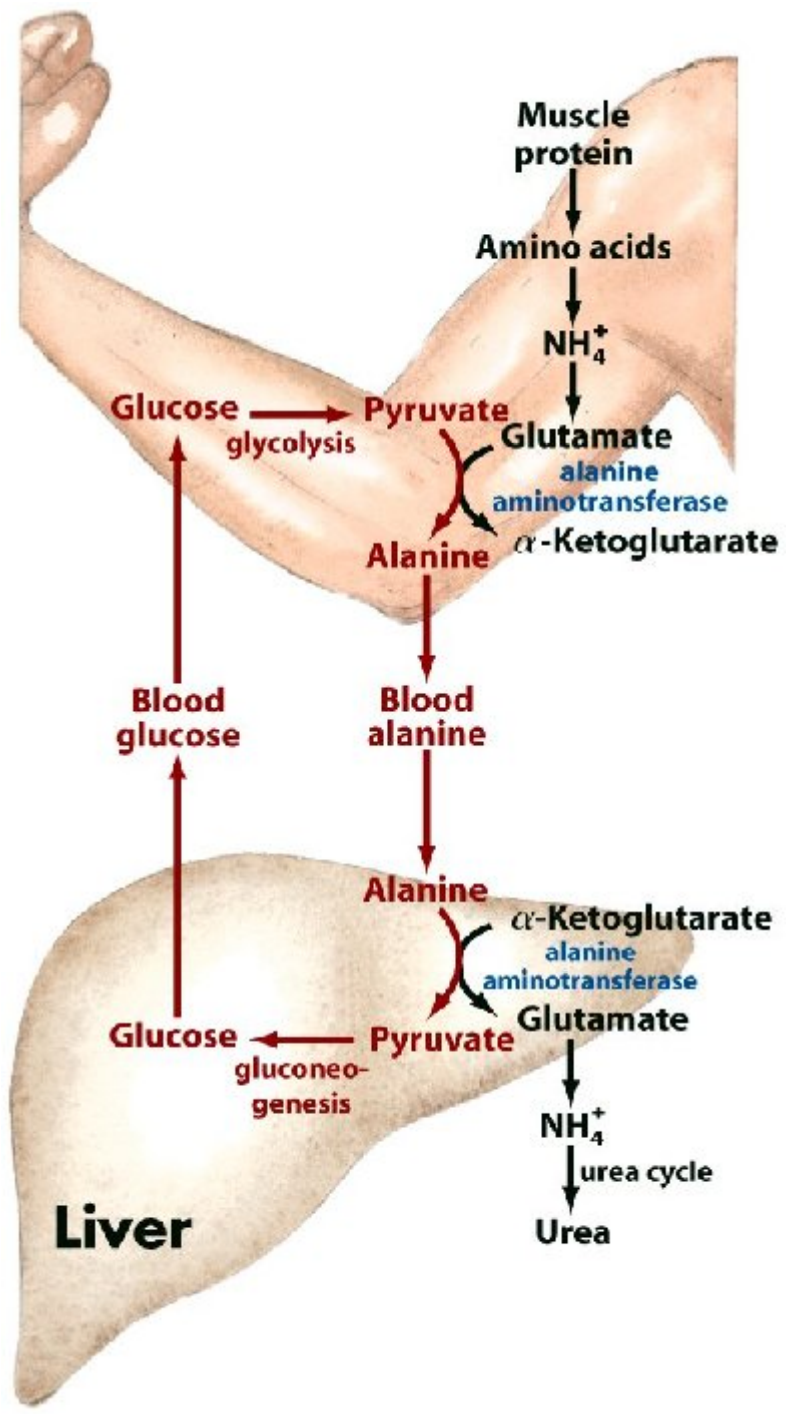
**Pyridoxal phosphate
(PLP)**

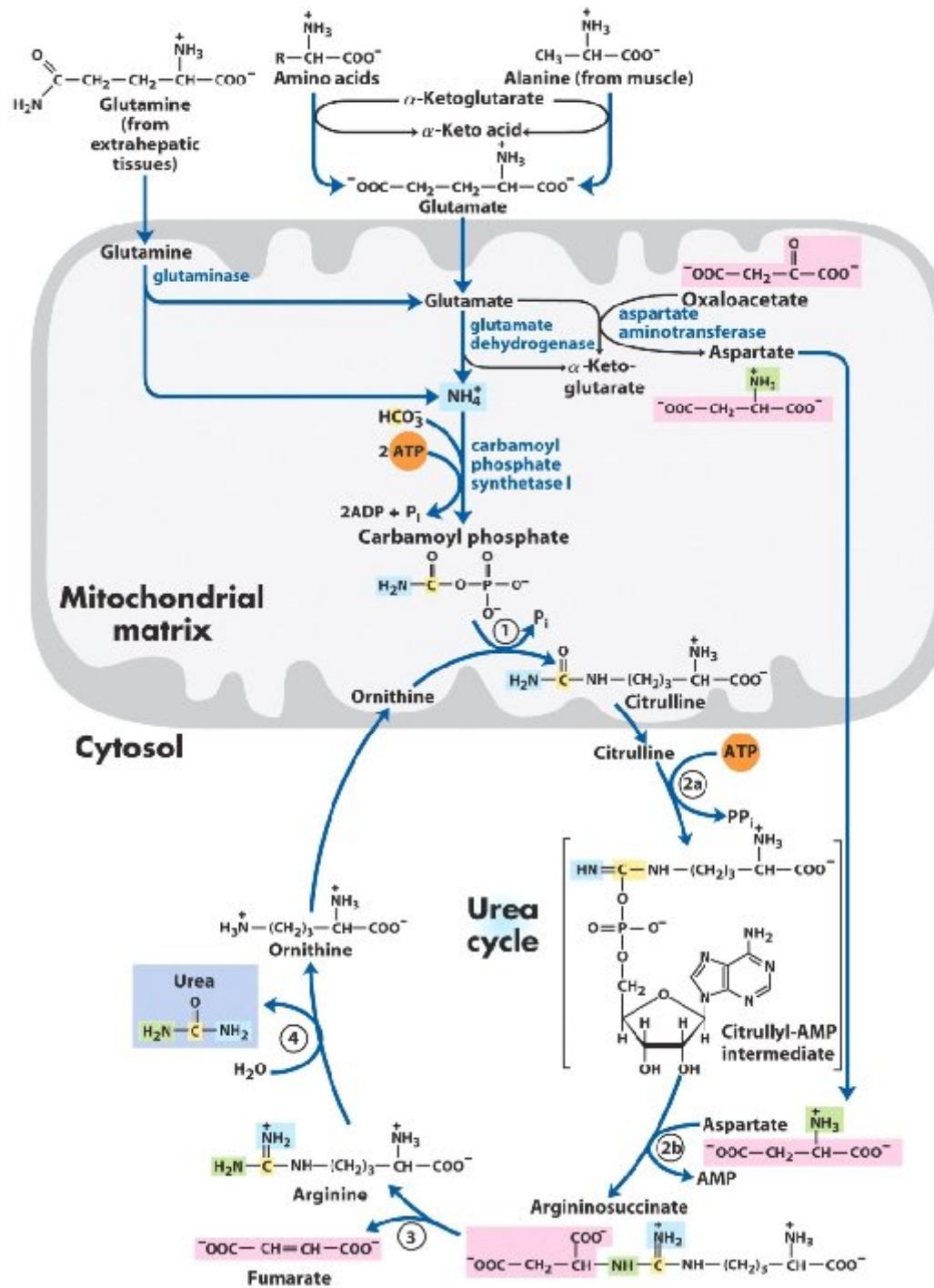


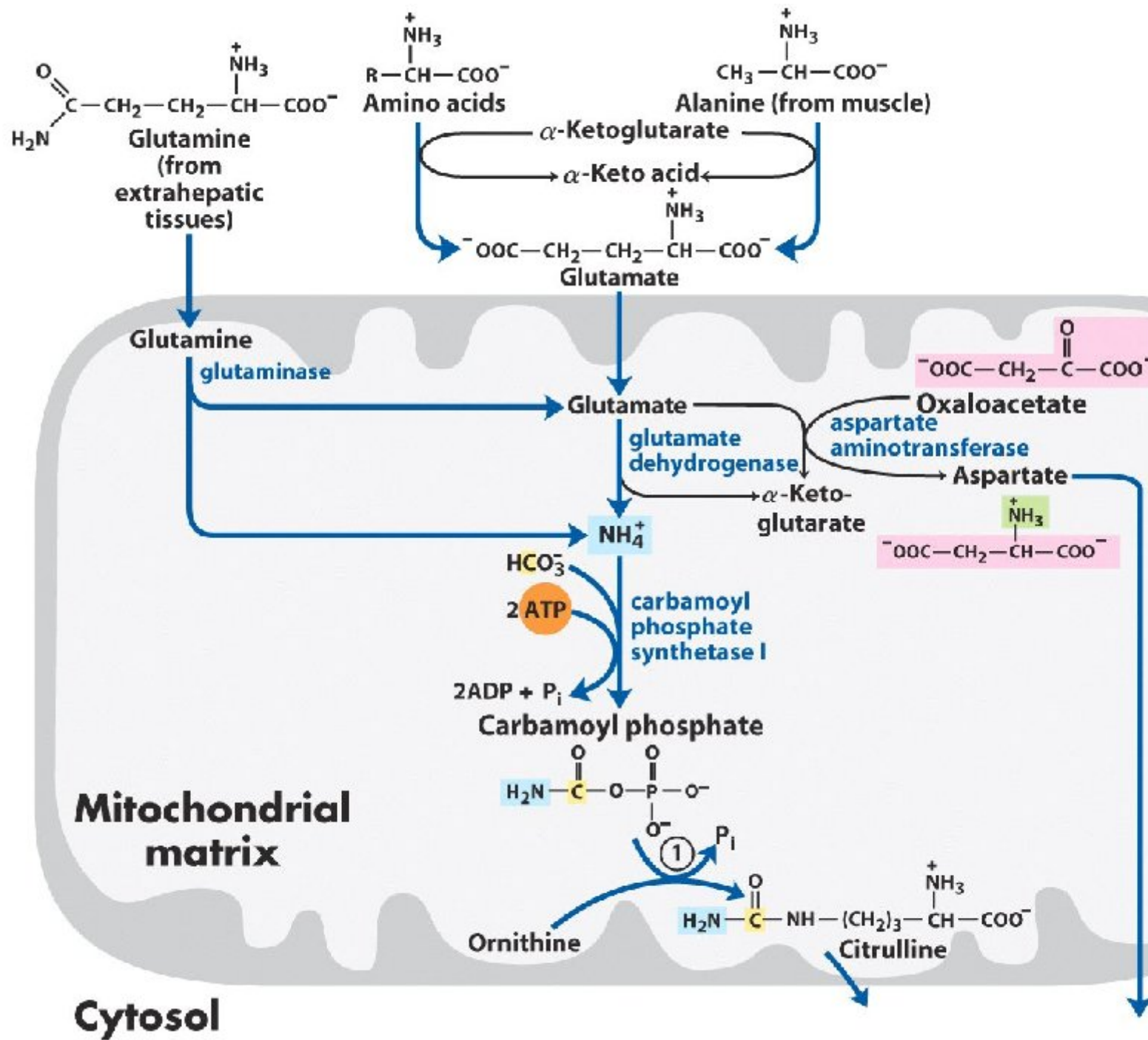
**Pyridoxamine
phosphate**

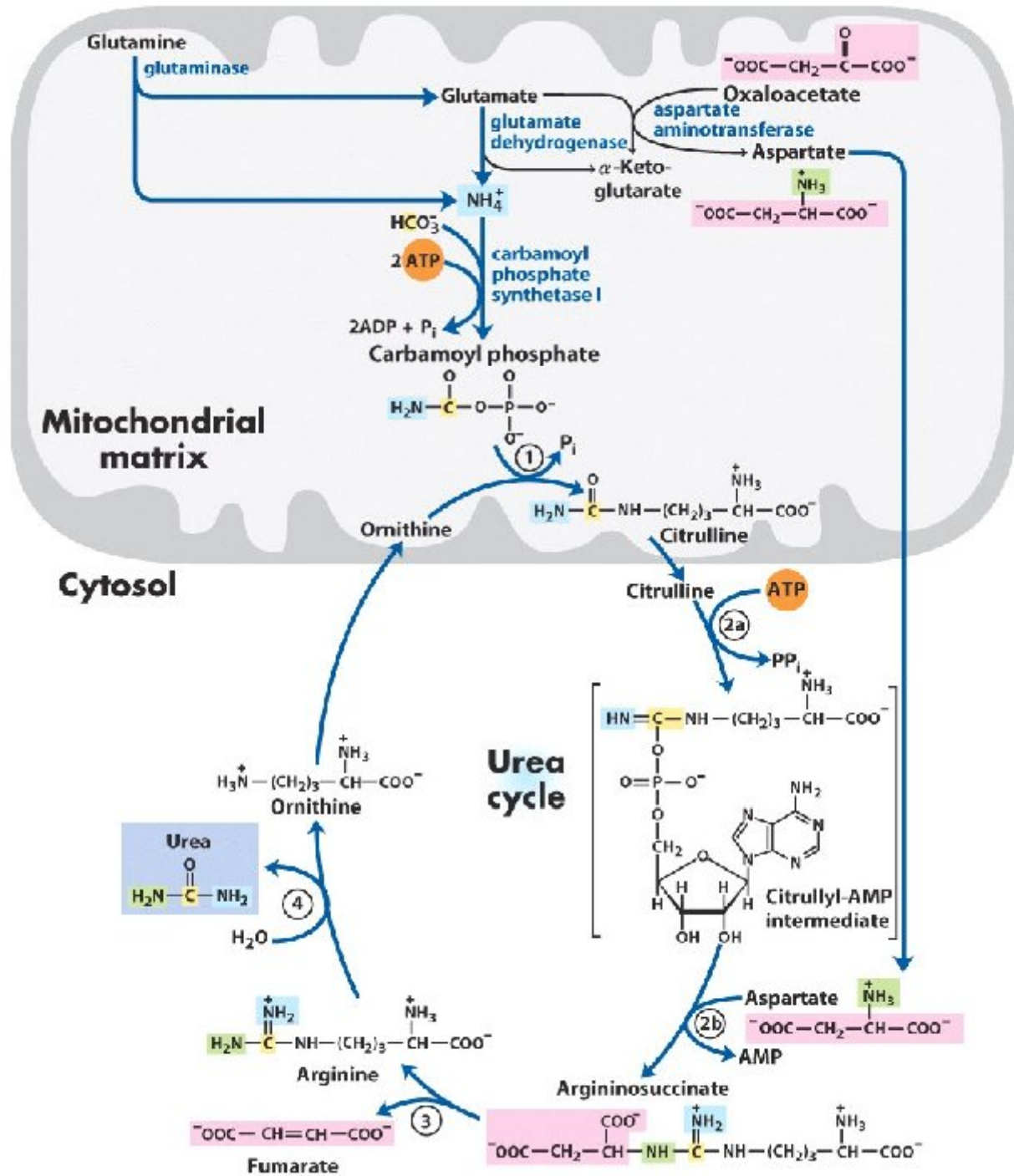


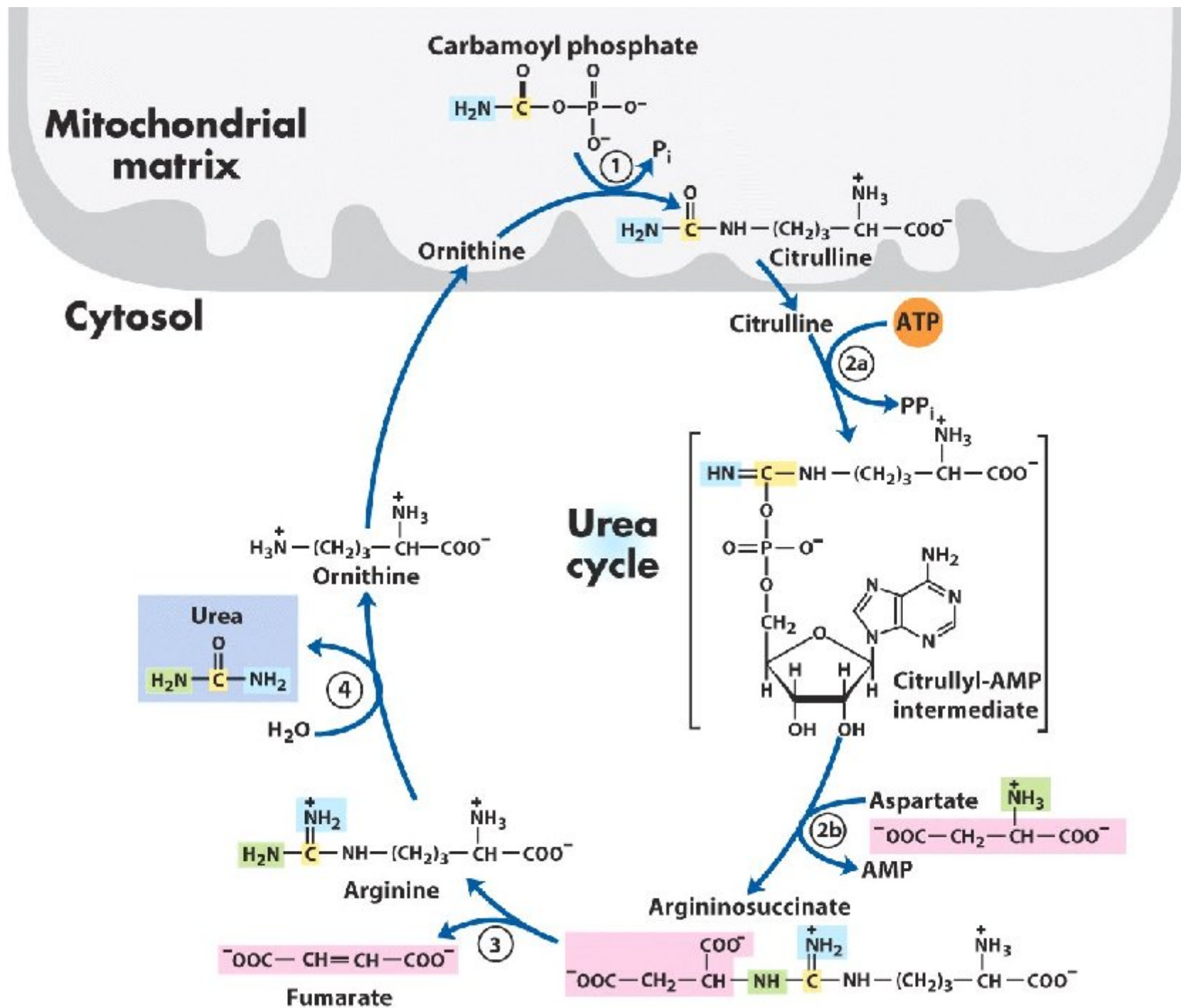


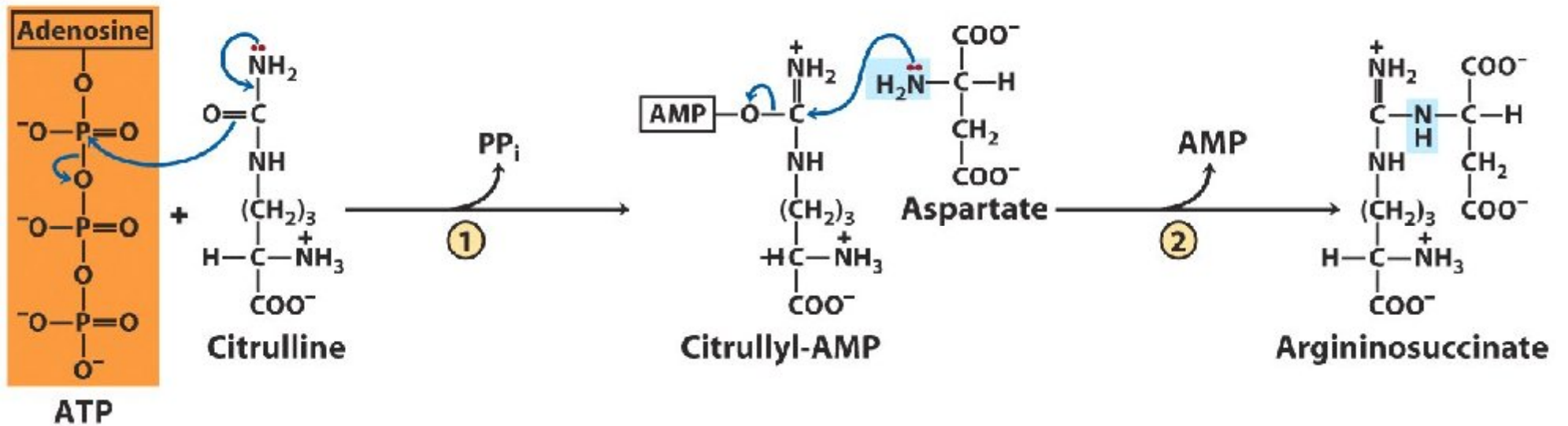
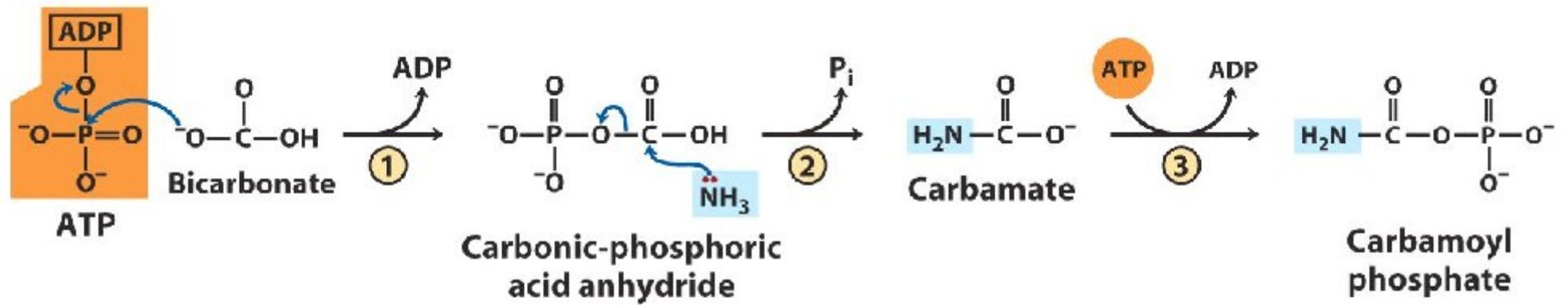


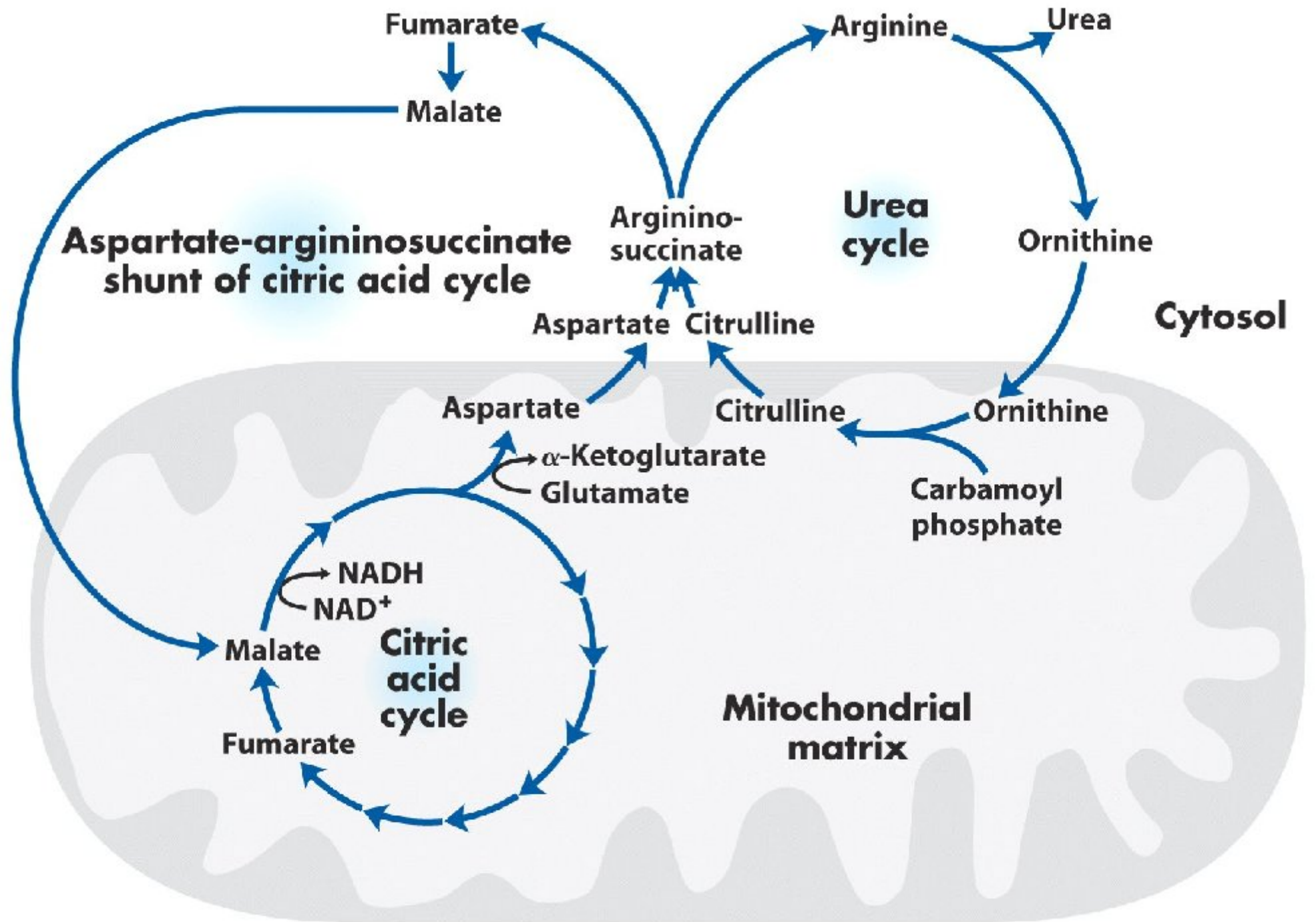


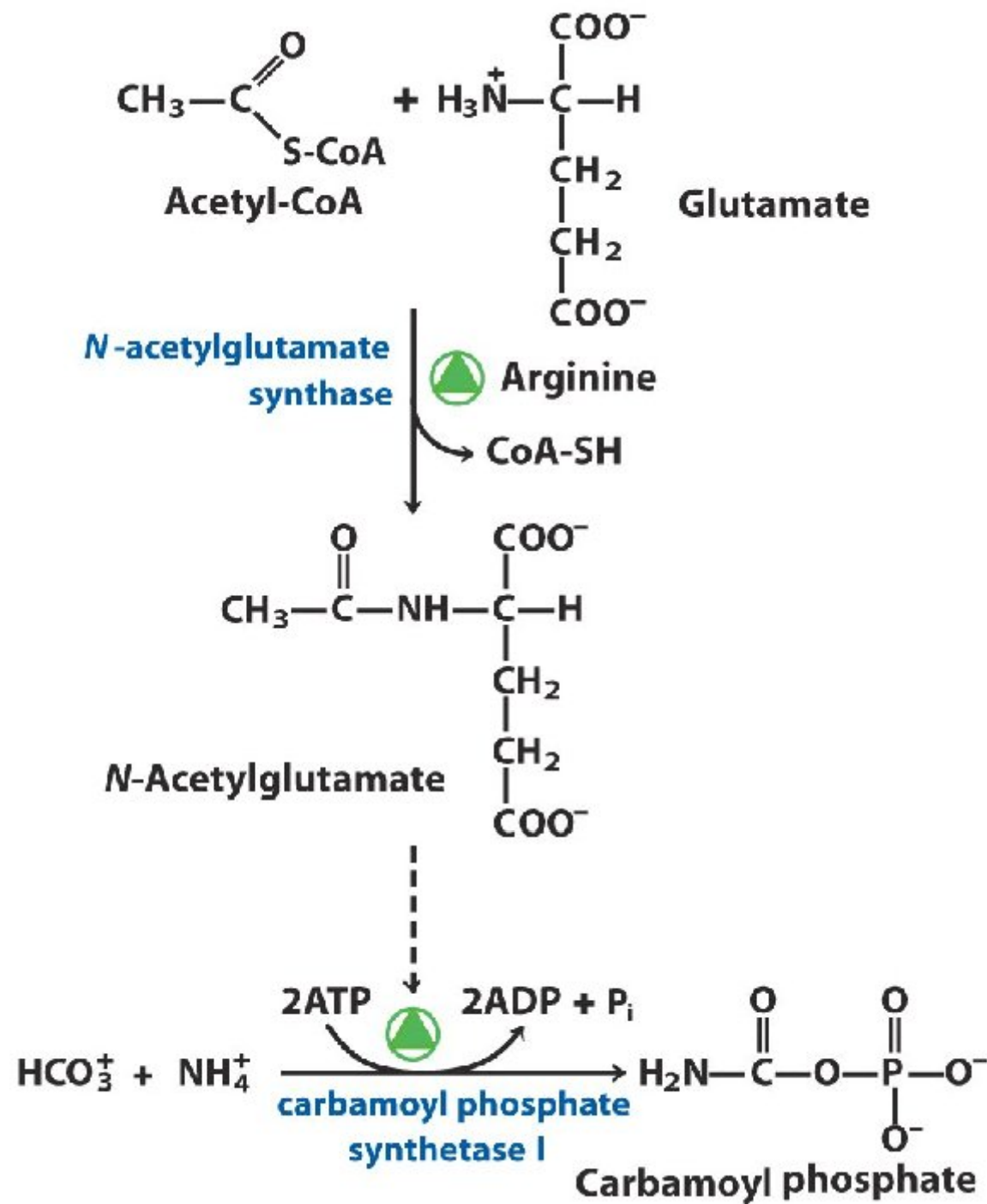


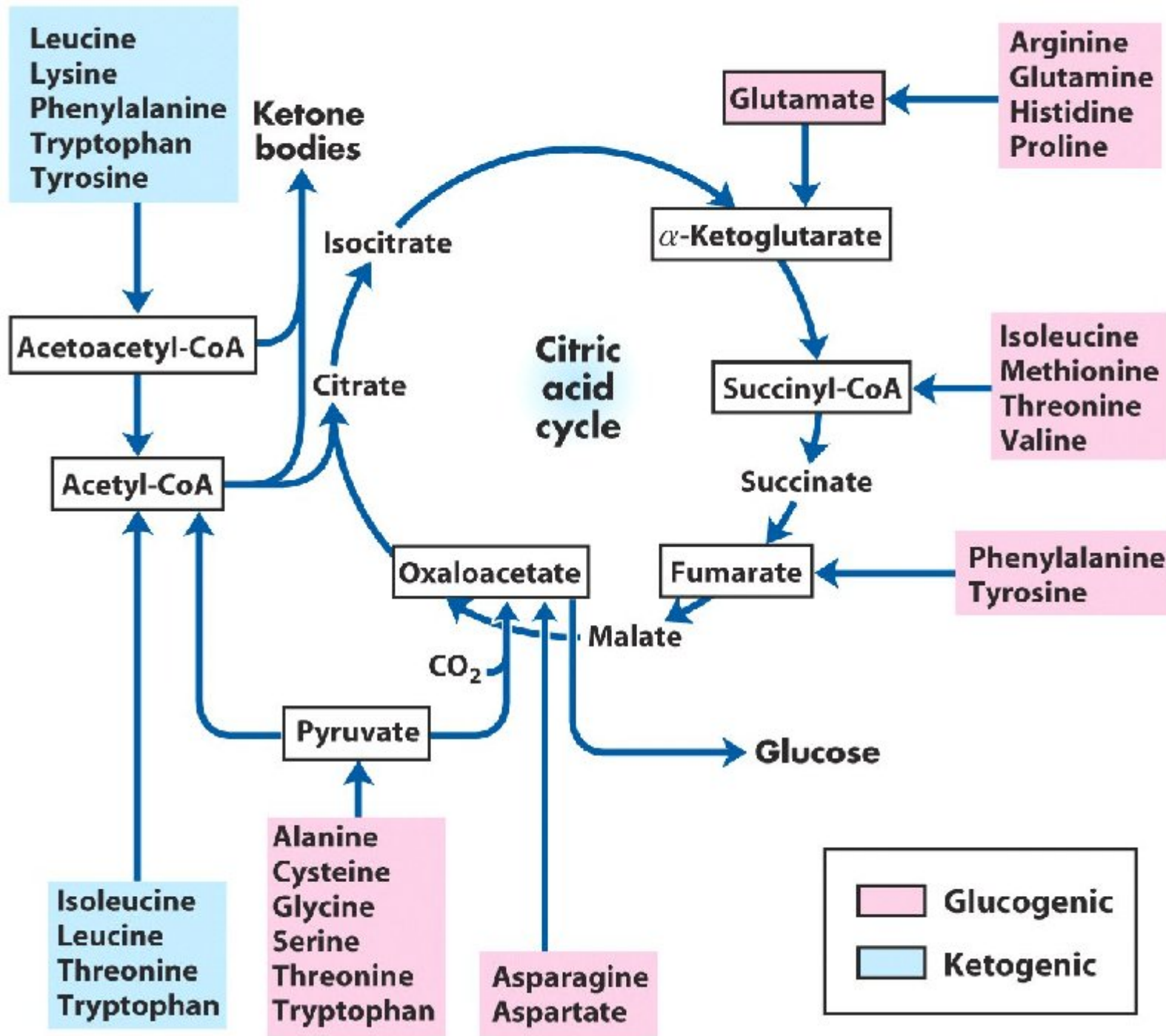












نقص های آنزیمی چرخه اوره

هیپر آمونمی نوع I CPSI=

هیپر اورنیتمی، هیپر آمونمی، هموسیترولینوری (HHH)

نقص ORNT1

هیپر آمونمی نوع II

هیپر آرژینمی = آرژیناز