Carbamyl phosphate

Glu + AcCoA → NAG

NAGS

NH₃ + HCO₃⁻ + 2ATP → NAG

CPSI

carbamyl phosphate

Gln + HCO₃⁻ + 2ATP → NAG

CPSIII

Fish and Invertebrates

Tetrapods

urea

ornithine

Arginase

arginine

OTC

citrulline

Arginase

argininosuccinate

ASS

citrulline

aspartate

asnarginasate

Glu + AcCoA → NAG

CPSI

carbamyl phosphate

Gln + HCO₃⁻ + 2ATP → NAG

CPSIII

Fish and Invertebrates

Tetrapods

urea

ornithine

Arginase

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