



CRC

for

Premium

Quality

Wool

Glutaminolysis

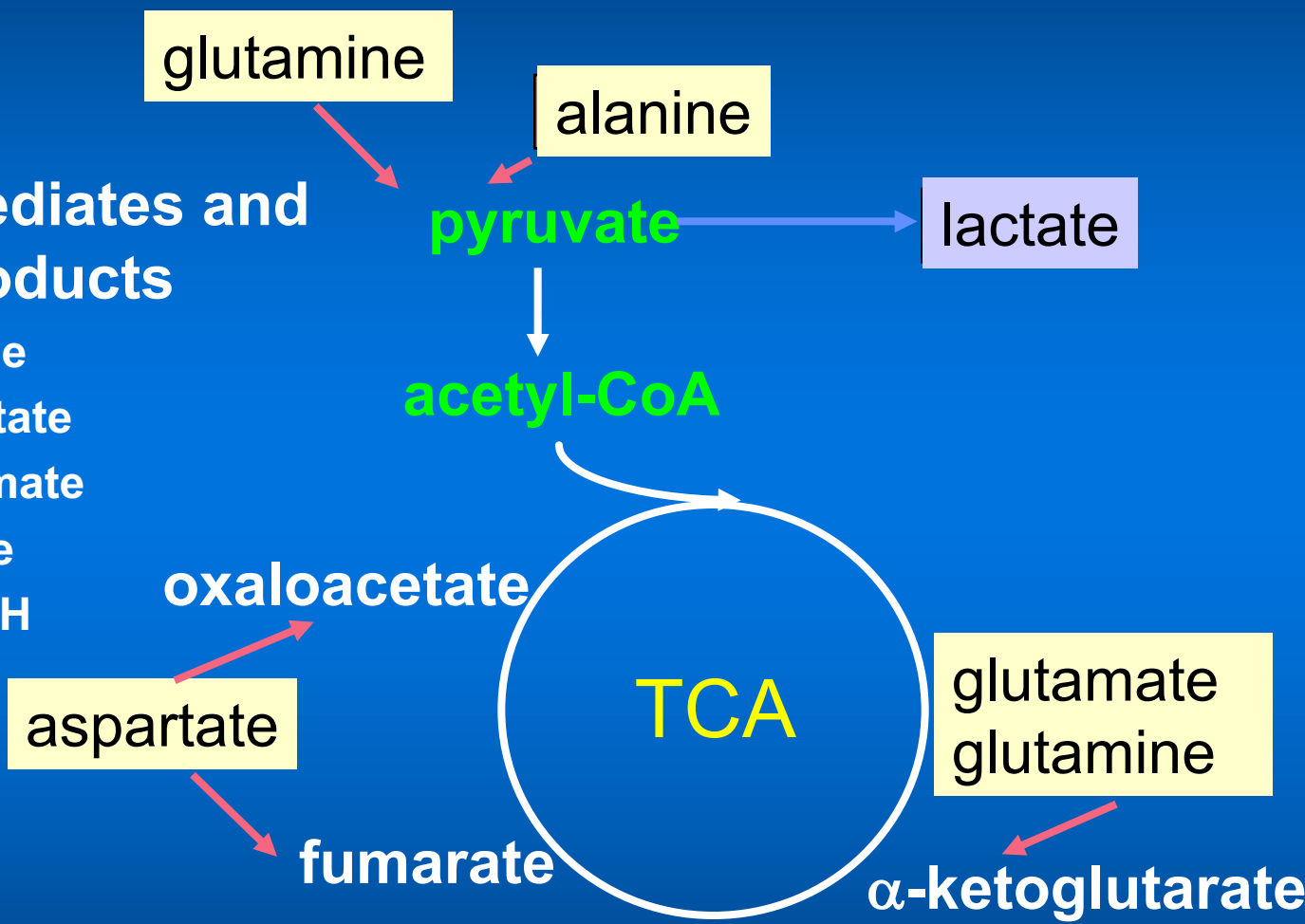
Produced for the CRC for Premium Quality Wool undergraduate program by;
Rachel Smith, The University of Western Australia.



Glutaminolysis

- intermediates and end products

- alanine
- aspartate
- glutamate
- lactate
- NADPH
- NH_4^+
- ATP



CRC
for
Premium
Quality
Wool



Glutaminolysis

8 individual pathways identified

- pyruvate \longrightarrow lactate (9 ATP)
- pyruvate \longrightarrow CO₂ and H₂O (27 ATP)

CRC

for

Premium

Quality

Wool