How are: glycolysis/gluconeogenesis, TCA/urea cycles, β-oxidation/Ketogenesis and amino acid metabolism linked in cellular respiration
g-glutamyl cycle (found in the intestine, kidney, and brain) - will import any amino acid except proline.

- Detoxification of free radicals
- Detoxification of reactive non-radicals, e.g. H₂O₂ and organic peroxides
- Detoxification of xenobiotics
- Maintenance of cellular thiol pool (protein and nonprotein)
- Regeneration of other antioxidants, e.g. vitamin C, vitamin E etc.
Pathways of ketogenesis in the liver. (FFA, free fatty acids.)