

## TCA Cycle (Aerobic Metabolism)

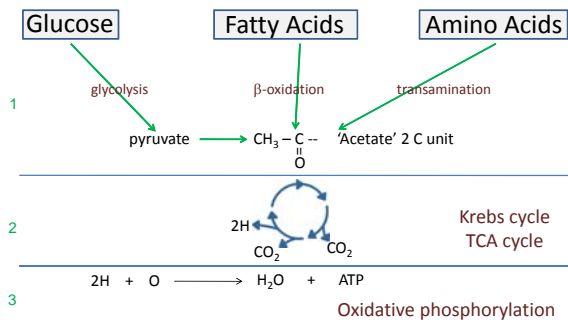
Barbara Moreland



### Alternative names for pathway:

- Krebs cycle
- Citric acid cycle
- Tricarboxylic acid cycle
- Common terminal pathway

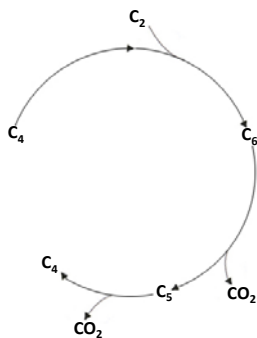
### Catabolism of sugars, fats & amino acids occurs in 3 stages



### Key Points

- **Definition:** oxidation of acetyl CoA to  $\text{CO}_2$  and water
- **Location:** mitochondrial matrix
- **Tissues:** all tissues with mitochondria (not red blood cells or white muscle fibres)
- **Functions:** energy trapping, biosynthesis of intermediates

### Summary of TCA cycle events



### TCA cycle

