

- Relationship to photosynthesis

- Purpose of respiration

2. Aerobic respiration

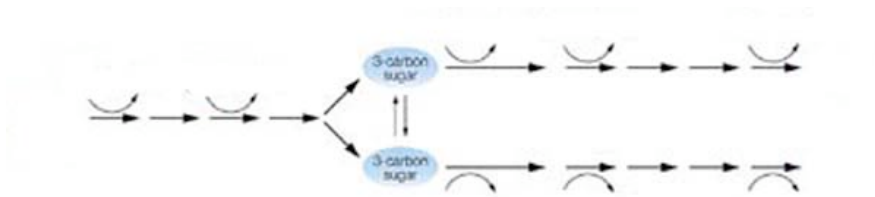
- Location



- Glycolysis

- location

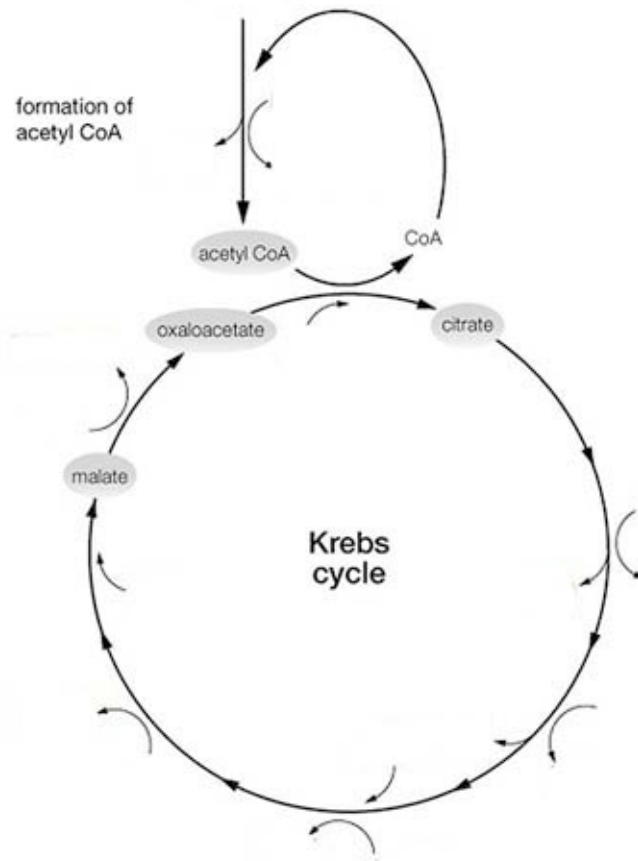
- reactants & products



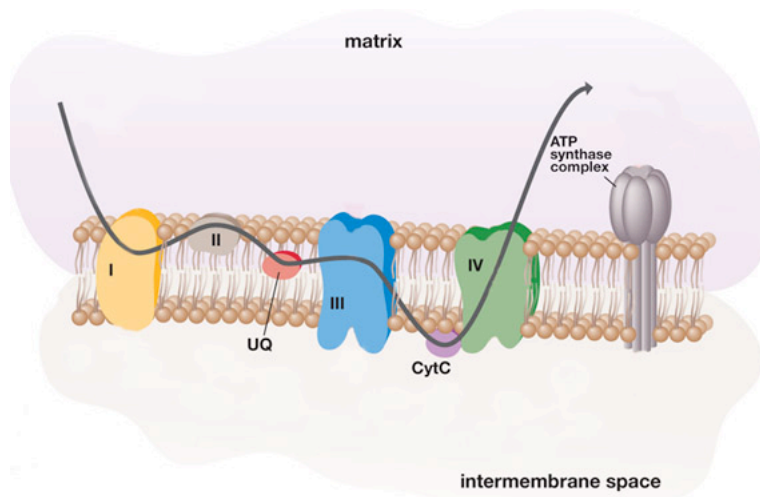
- Acetyl CoA & Krebs Cycle

- location

- reactants & products



- Electron Transport Chain & Oxidative Phosphorylation



- reactants & products

3. Anaerobic respiration

- Alcoholic fermentation organisms
 - location
 - reactants & products
- Lactic acid fermentation organisms
 - location
 - reactants & products

5. Comparing aerobic and anaerobic respiration

- location
- products
- efficiency

5. Limiting factors

- oxygen
- minerals
- enzymes

6. Compost

- What goes in

- What comes out

For the next lecture on Plants Used to Feed the World, read Ch. 9.2, page 184 and in Leventin & McMahon, pages 91, 188-189, 193, 198-203, and 221-231. Be ready to answer these questions:

- * Why are seeds a good source of nutrition?
- * What does knowing the center of origin for a crop plant tell us?