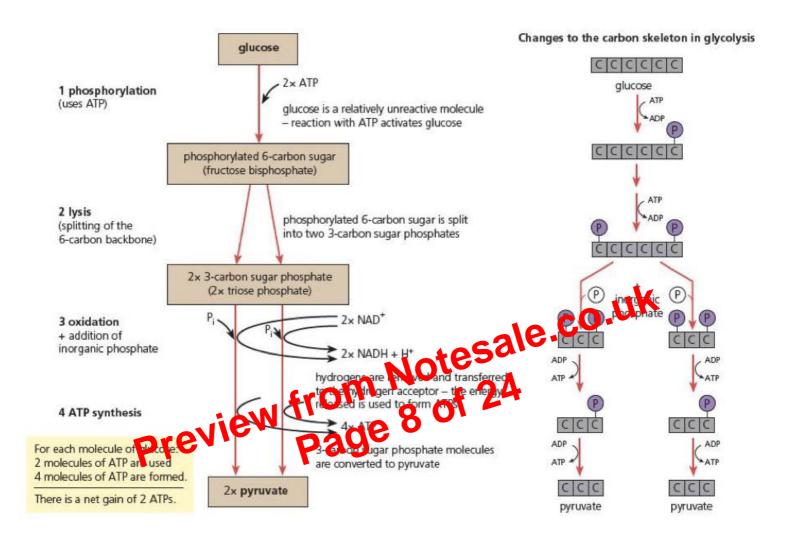
An oxidized substance is lower in energy stored within when compared to reduced substances (eg: CH4 has more energy stored within than CO2)

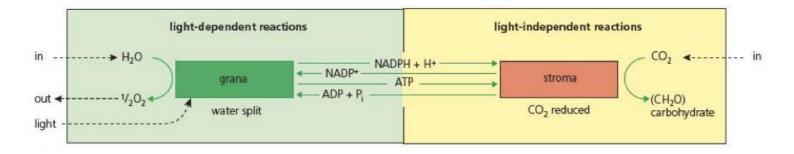
Overall Oxidation Involves: Adding oxygen, losing electrons, giving off energy, and removing hydrogen

Overall Reduction Involves: Removing oxygen, gaining electrons, taking in energy, and gaining hydrogen

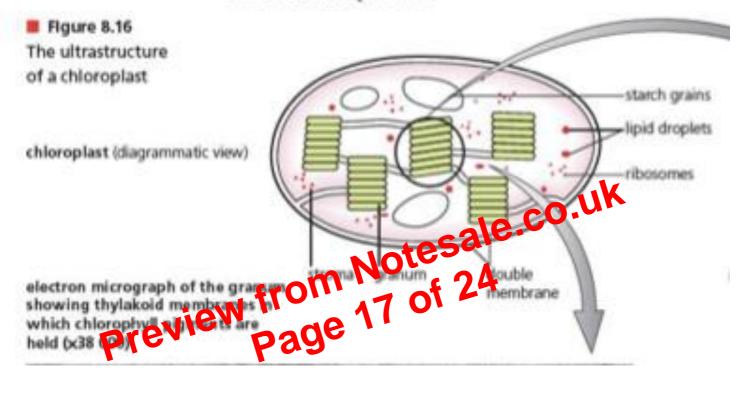
Preview from Notesale.co.uk
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Once the pyruvate has been formed from glucose in the cytosol, the remainder of the pathway of aerobic cell respiration is located in the mitochondria





aerobic cell respiration.



In Light independent reactions, the carbon dioxide is transformed into the carbohydrates, they occur in the stroma

The pathways of this occurring was investigated by a method called feeding experiments, in this experiment, the radioactively labeled carbon dioxide was fed to cells

It is taken up the same way and fixed the same way to produce products

A brief pulse of radioactive CO2 was introduced and its progress monitored; the intermediates and products contained radioactive markers

Chromatography was used to isolate these compounds from the sampled cells

