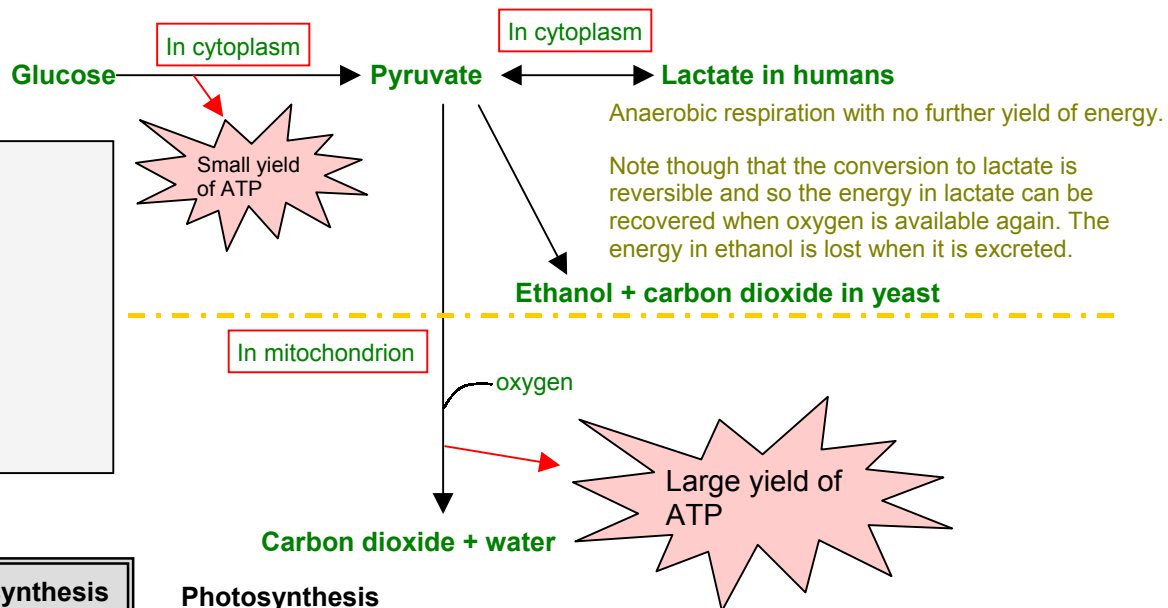


Cell Respiration

Cell Respiration

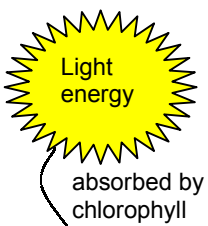
Glucose in the cytoplasm is broken down into pyruvate with a small yield of ATP.



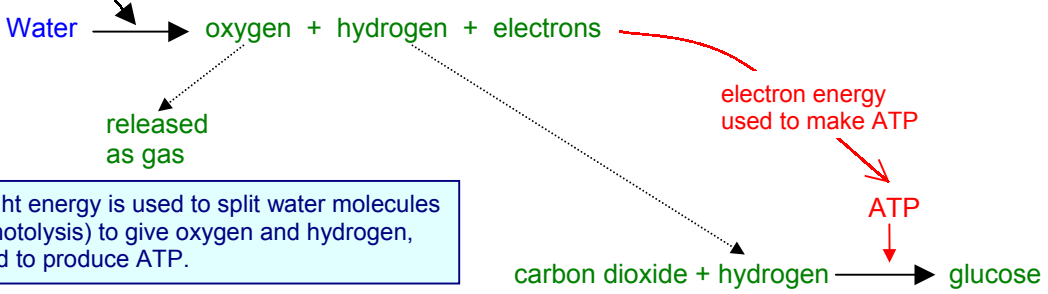
Define cell respiration.

Photosynthesis

Photosynthesis



Photolysis [Remember that lysis means to split; therefore photo - lysis means splitting with light]. Water is split into oxygen gas, hydrogen, and electrons.



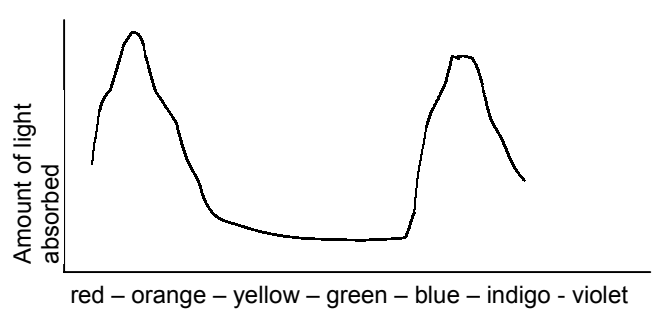
Photosynthesis involves the conversion of light energy into chemical energy.

Chlorophyll is the main photosynthetic pigment.

Light energy is used to split water molecules (photolysis) to give oxygen and hydrogen, and to produce ATP.

The ATP and hydrogen are used to fix carbon dioxide to make organic molecules.

White light from the sun is composed of a range of wavelengths (colours).



Why is Chlorophyll Green?

- Chlorophyll absorbs most at the red and blue ends of the spectrum;
- Chlorophyll reflects most of the green part of the spectrum and we see this green.

What is photolysis?