

photosynthesis: a process that captures energy from sunlight to make sugar that stores chemical energy.

- energy for almost all organisms begins as sunlight

Photosynthesis occurs in plants, some protists
some prokaryotes (cell membrane)

Thylakoids contain the pigment chlorophyll

- Absorbs some of the energy from visible light
 - absorb blue + red wavelengths
 - reflect green wavelengths

Sunlight energy is transferred to chemical energy the cell can use in the form of ATP.

Once a sugar has been made it can

- enter cellular respiration
- store glucose in the form of starch

Photosynthesis

3rd

