

Photosynthesis

photosynthesis - the food making process of plants and some other organisms.

Chlorophyll - green pigment; trap energy from the sun for photosynthesis.

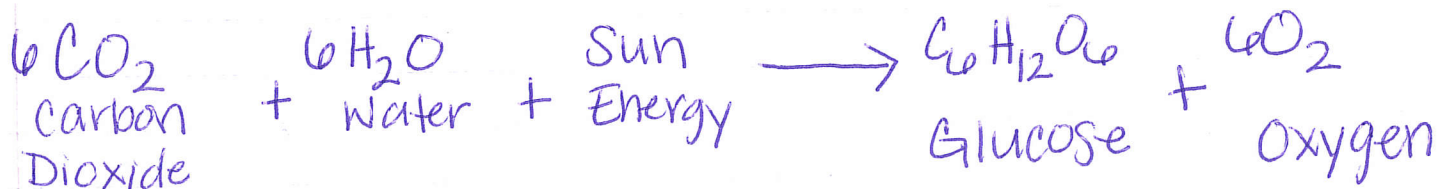
Glucose - simple sugar made in photosynthesis
- used as a food source

CO₂ - the plant takes in through tiny openings on the underside of leaves.

O₂ - the plant releases this through tiny openings on the underside of leaves

Water (H₂O) - needed for photosynthesis
taken in by the plant's roots

Photosynthesis Reaction



Chloroplast - the plant cell organelle where photosynthesis takes place.

Cellular Respiration

Cellular Respiration - the process where glucose (sugar) is broken down into energy.

ATP - energy that is produced in cellular respiration.

O₂ - combined with food (glucose-sugar)

CO₂ + H₂O - produced as waste products

Mitochondria - the organelle where Cellular Respiration takes place

All cells perform Cellular Respiration

Cellular Respiration Reaction

