

Photosynthesis - Sample Study Notes

Photosynthesis converts light energy into chemical energy stored in glucose.

In plants, photosynthesis takes place inside chloroplasts.

Chlorophyll is the green pigment that absorbs light energy.

Carbon dioxide and water are the raw materials used in photosynthesis.

Oxygen is released as a product of photosynthesis.

The light-dependent reactions occur in the thylakoid membranes.

These light-dependent reactions produce ATP and NADPH.

The Calvin cycle occurs in the stroma of the chloroplast.

The Calvin cycle uses carbon dioxide to build sugars.

Stomata are tiny pores through which carbon dioxide enters the leaf.

Guard cells regulate the opening and closing of stomata.

Glucose can be used for respiration or stored as starch.