

Photosynthesis is the process by which green plants make their own food using sunlight, carbon dioxide, and water.

This process takes place mainly in the leaves, in structures called chloroplasts, which contain a green pigment called chlorophyll.

The equation for photosynthesis is:

Carbon Dioxide + Water + Sunlight -> Glucose + Oxygen

Photosynthesis is essential for life on Earth because it produces oxygen and is the base of the food chain.