

PHOTOSYNTHESIS PROCESS

How Plants Convert Sunlight into Energy

[Diagram Illustration: Sun, Plant, and Gas Exchange]

01. Absorption

Chlorophyll in leaves absorbs **Sunlight**. Roots take in **Water** (H₂O) from the soil.

02. Intake

Small pores (stomata) breathe in **Carbon Dioxide** (CO₂) from the surrounding air.

03. Conversion

Light energy triggers a reaction inside chloroplasts to create **Glucose** (Sugar/Food).

04. Release

The plant releases **Oxygen** (O₂) back into the atmosphere as a byproduct.