

Photosynthesis for Kids – One Page Summary

What is Photosynthesis?

Photosynthesis is how plants make their own food using sunlight, water, and air.

Photo = Light, Synthesis = Putting together

Main Ingredients Needed:

- Sunlight (from the sun)
- Water (from roots in soil)
- Carbon Dioxide (from air)
- Chlorophyll (in leaves)

Steps of Photosynthesis:

1. Roots take in water
2. Leaves take in air (CO₂)
3. Sunlight hits leaves
4. Chlorophyll uses light to mix air and water
5. Plant makes food (glucose) and oxygen

What Do Plants Make?

- Glucose: Plant sugar (food)
- Oxygen: Released into the air for us to breathe

Why Is It Important?

- Helps plants grow
- Makes oxygen for people and animals
- Gives food to all living things

Key Vocabulary:

- Chlorophyll: Green part that traps sunlight
- Stomata: Tiny holes in leaves
- Glucose: Sugar the plant makes

Try This at Home!

Cover part of a leaf with foil. Leave it in sunlight for 2 days.

Uncover it – the hidden part won't be green!

Quick Quiz:

Q1: What 3 things do plants need?

Q2: What gas do they release?

Q3: What food do they make?

Answers: Sunlight, Water, Air – Oxygen – Glucose