



What is photosynthesis?

Plants need three basic things to live: water, sunlight, and carbon dioxide.

Have you ever noticed that plants always grow towards the sunlight? This is because sunlight is needed to make food for the plant. Sunlight gives the plant **energy** and uses this energy to convert carbon dioxide and water into food.

It is through a plant's roots that they are able to take in water from the soil it's planted in. The roots also help to stabilise the plant from blowing over in the wind and help them to grow tall and strong!

Did you know that plants absorb **carbon dioxide** from the air, like how humans breathe in oxygen? When plants take in carbon dioxide, they later release **oxygen** back into the air. You could say they are the opposite to humans!

Humans: Breathe in oxygen – breathe out carbon dioxide.

Plants: Take in carbon dioxide – release oxygen.

Plants are the **main source of oxygen on planet Earth** and help keep us alive!

We now know that plants use sunlight as energy; get water from their roots and take in carbon dioxide from the air outside. The process of using these three key ingredients and making them into food is called **photosynthesis**.

Flip over to the next page to see if you can fill in the blanks all about photosynthesis!



SCIENCE - PHOTOSYNTHESIS

Fill in the blanks using the word bank

WORD BANK

Carbon Dioxide

Sunlight

Oxygen

Water

Sugar

