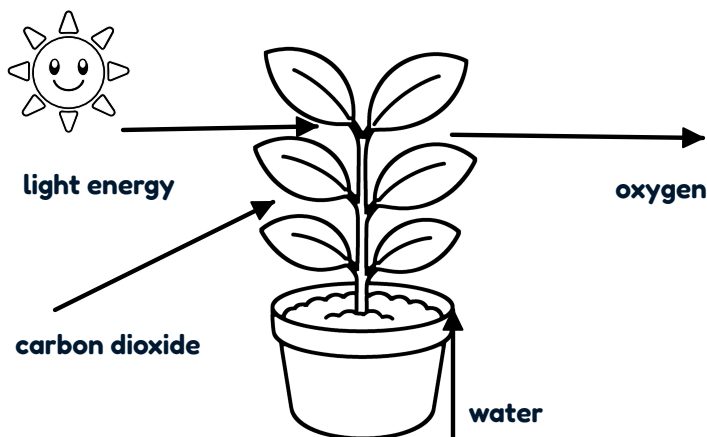


The photosynthesis equation

Read how a plant makes food. Cut out the pieces and glue them into the two equations.



How a plant makes food

A plant takes in **carbon dioxide** from the air through tiny holes in its leaves. Its roots take in **water** from the soil. **Chlorophyll**, the green material in leaves, traps **light energy** from the sun.

The plant uses that energy to turn the carbon dioxide and water into **glucose**, a sugar it uses as food. It gives off **oxygen** into the air.

Formula clues: C stands for carbon, H for hydrogen and O for oxygen. The small number tells how many of that atom there are.

1 Glue the words to finish the word equation.

+

light energy

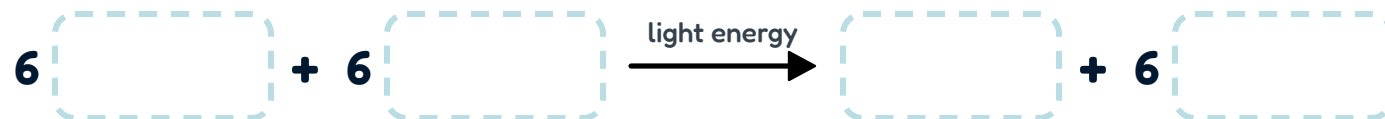
→

chlorophyll

+

reactants: what the plant takes in
products: what the plant makes

2 Glue the formulas to finish the chemical equation.



The big numbers show how many of each molecule the plant uses and makes.

✂

oxygen

C₆H₁₂O₆

water

O₂

glucose

CO₂

carbon dioxide

H₂O

Cut out the eight pieces along the dotted lines.