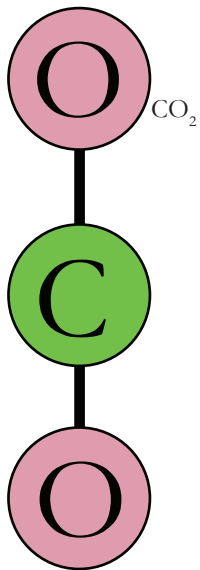
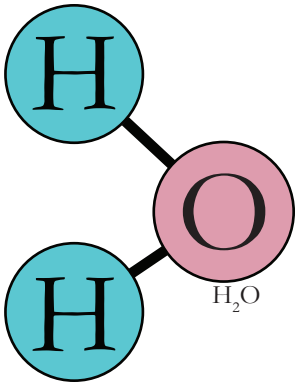


# Photosynthesis

Use the word bank below to fill in the empty spaces in the paragraph to the right.

## WORD BANK

CARBON DIOXIDE  
CHLOROPHYLL  
GLUCOSE  
FOOD  
LIGHT  
BREATHING  
WATER



Photosynthesis is a process where plants create their own **food** using sunlight.

Plant leaves absorb red and blue **light** into their leaves, reflecting green light. This is why most plants are green in color. A chemical called **chlorophyll** is found inside most plant cells. This is the substance that absorbs sunlight.

Meanwhile, plants are absorbing **water** (H<sub>2</sub>O) through their roots and storing it within their cells. When the sunlight hits the water molecules, the water breaks apart into hydrogen and oxygen.

Plants also take **carbon dioxide** (CO<sub>2</sub>) in through holes in their leaves, called stomata. This is a plant's way of **breathing**. When the carbon dioxide combines with hydrogen, a type of sugar called **glucose** is formed. This is a plant's food, and it uses this energy to live and grow. The extra oxygen molecules are released back into the atmosphere.