

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 _____ using sunlight.

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

Meanwhile, plants are absorbing _____ (H₂O) 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 _____ (CO₂) in through holes in their leaves, called stomata. This is a plant's way of _____. When the carbon dioxide combines with hydrogen, a type of sugar called _____ 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.