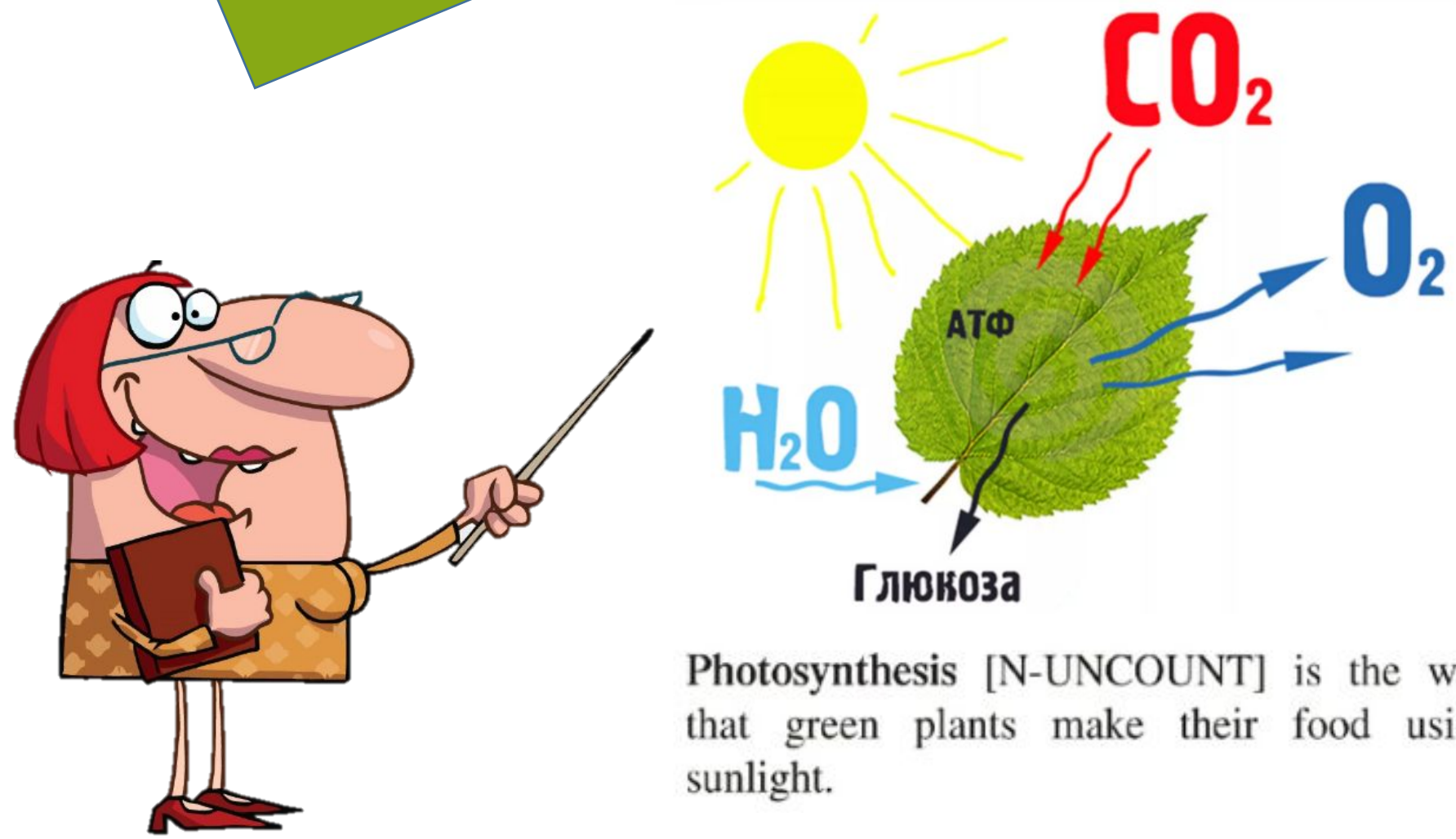


What do green plants need to make food?



Photosynthesis [N-UNCOUNT] is the way that green plants make their food using sunlight.

Before reading learn new words.

уравнение

корень

поглощать

отверстие

почва

углевод

водород

стадия

углекислый газ

добывать, получать

хранить, запасать

хлорофилл

реакция

солнечный свет

химическая
реакция

фотосинтез

крошечный

преобразовывать

Write down two questions from the text. Can you answer them?



Text 1

Text 2

Text 3

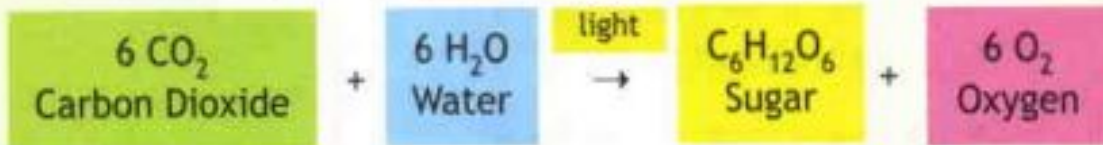
E

The equation shows how important photosynthesis is for life. As well as providing food for the plant from the sun's energy, the equation shows that the reaction also produces the oxygen that animals need to breathe. Without photosynthesis, our planet could not support life as we know it.

carbohydrates. Carbohydrates provide the plant with the energy it needs in order to grow.

D

The chemical reaction involved in photosynthesis can be summarised by this equation:



chlorophyll absorbs energy from the sun. The plant now has all it needs for photosynthesis to begin.

Read the texts and match them with the pictures (A-G) with the lines (1-8). Put your answers in the boxes.

Text 1

Text 2

Text 3

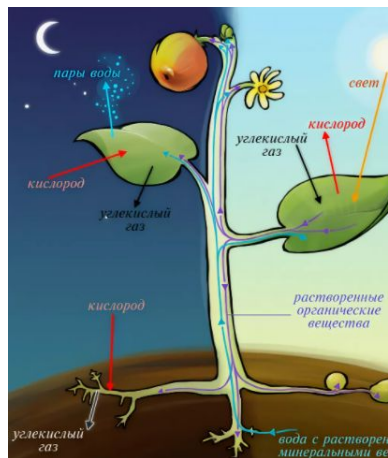
A - 3

B - 2

C - 5

D - 1

E - 4



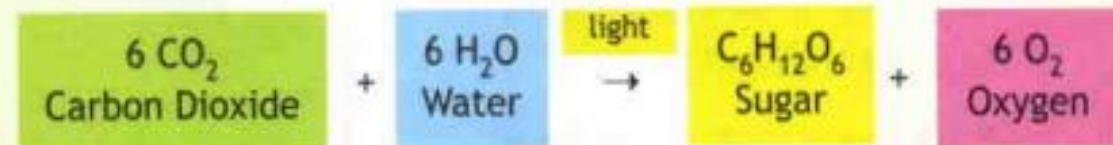
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chlorophyll absorbs energy from the sun. The plant now has all it needs for photosynthesis to begin.

Match the words to their meanings.

absorbs



roots



equation



substance



process



reaction



sucks up



convert



Change sth into sth else

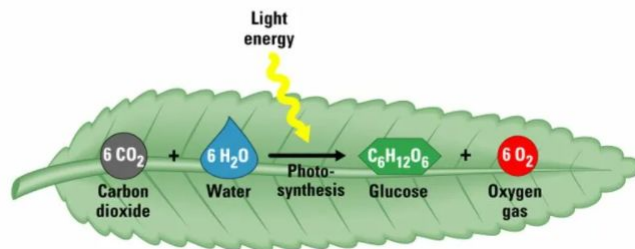
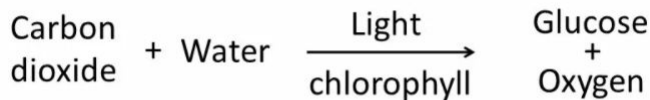
Use the words in the box to complete the following.

light energy / water / carbon dioxide / chlorophyll

Photosynthesis is the production of carbohydrates from 1) and 2) using 3) from the sun and 4) which exists in the cells of green plants.

Photosynthesis

- The process in word equation...



1. carbon dioxide/water

2. water/carbon dioxide

3. light energy

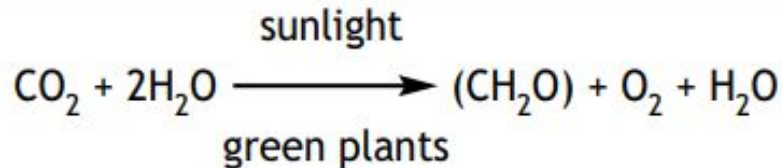
4. chlorophyll

Plants produce their own food from the sun through a process called photosynthesis.

Photosynthesis uses carbon dioxide, water, chlorophyll and sunlight to produce carbohydrates which the plant uses as food.

There are two stages in photosynthesis. The first stage is called the light reaction and involves converting light energy to chemical energy and the second stage is called the dark reaction and consists in converting the carbon dioxide and water to carbohydrates.

The equation for the process is:



Photosynthesis not only produces food for the plant but it also produces oxygen which is essential for all life on this planet.

in Ex. 3. use them to explain how

Answer

P A LIFE-GIVING PROCESS: the plant produces food and also provides oxygen for life.

- 1 NOW FOR THE SCIENCE BIT!
- 2 WHAT IS PHOTOSYNTHESIS?
- 3 FOOD FROM THE SUN
- 4 A LIFE-GIVING PROCESS
- 5 THE LIGHT AND DARK REACTIONS

