Topic 7, Lesson 1`

PHOTOSYNTHESIS

Plants make their own food. How do they do it? They get energy from the light of the sun. They use that energy, along with **water** and **gas** from the air, to make their own food. This process is called **photosynthesis**.

During this process, plants use light energy to convert (change) **water** and **carbon dioxide** CO_2 into plant food called **glucose** (sugar).

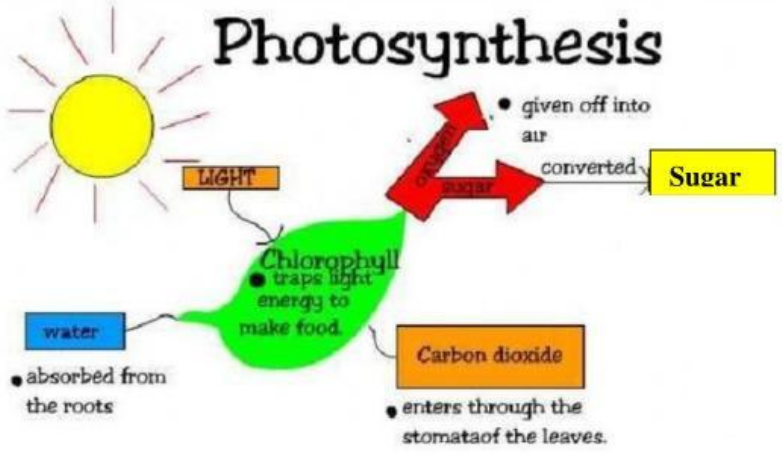
How is this done?

FIRST: Sunlight is taken in or absorbed by a green chemical in the leaves of plants called **chlorophyll**. **Chlorophyll is found in special structures in plant cells called chloroplasts**.

THEN: Water is transported (carried) from the roots of the plant to the to the leaves and stems and **carbon dioxide** enters the plant through tiny openings (holes) in the underside of leaves called **stomata.**

FINALLY: The food made is called **sugar.**

Oxygen is released into the air as a waste gas.



LIVEWORKSHEETS

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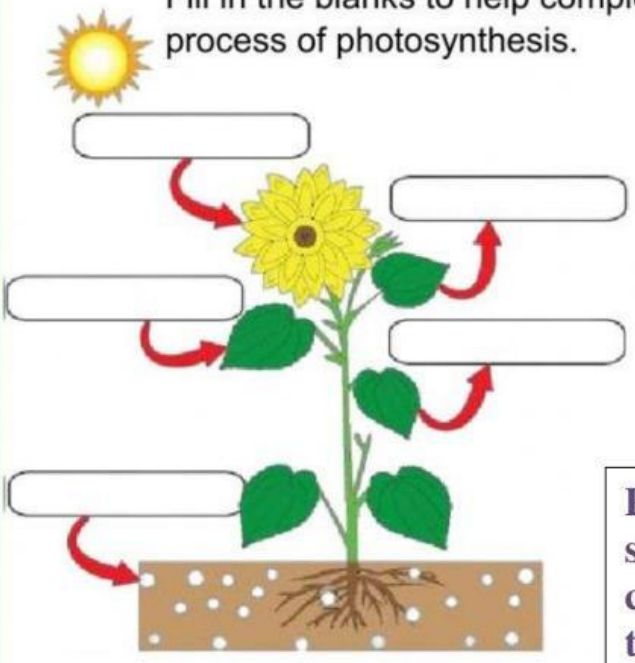
1. What is photosynthesis?

2. What is produced during photosynthesis that is essential for humans?

3. What is the function of the stomata?

4. Where is chloroplast located?

Fill in the blanks to help complete the description of the process of photosynthesis.



Oxygen
Sunlight
Water
Sugar
Carbon dioxide

Plants need to make food to survive. Plants use a process called _____ to make food or sugar.

COMPILED BY: *Tr. Hadeel Assi*

LIVEWORKSHEETS

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