



1

Look at the picture and read the text. Make a list of the things plants need to make their own food.

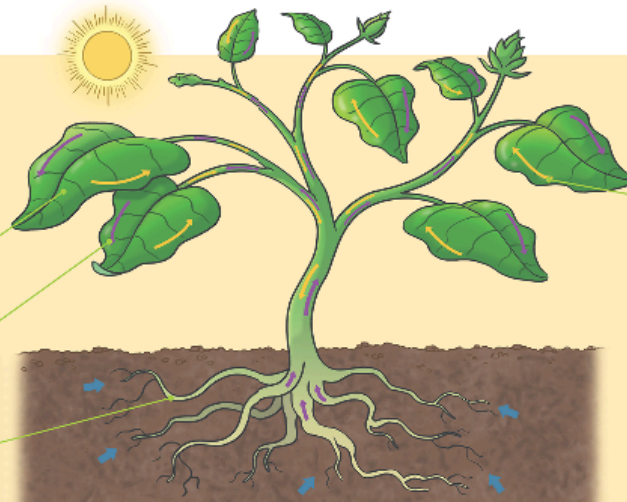
Living things need food to obtain nutrients and energy in order to survive. Most living things feed on other living things. Plants, however, make their own food through a process called **photosynthesis**.

During photosynthesis, plants use sunlight and carbon dioxide to transform raw sap into **elaborated sap**.

The leaves contain a green substance called **chlorophyll**. Chlorophyll traps **sunlight**. The leaves absorb **carbon dioxide** from the air.

Raw sap travels up the stem to the leaves through tubes called **xylem vessels**.

Plants absorb water and minerals from the soil through their roots. This mixture of water and minerals is called **raw sap**.



During **photosynthesis**, plants release **oxygen** into the air.

Raw sap transforms into **elaborated sap**. Elaborated sap is the plant's food. It travels from the leaves to all parts of the plant through tubes called **phloem vessels**.

1. **Water**
2. **Carbon dioxide**
3. **Water.**

Make a word puzzle. Copy and cut out the phrases.
Your partner matches them in order. Listen and check your answers.

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- a. Leaves take in... • through the xylem vessels.
 - b. Elaborated sap is distributed... • transforms into elaborated sap.
 - c. Plants absorb water and minerals... • through the phloem vessels.
 - d. During photosynthesis, raw sap... • through the roots.
 - e. Raw sap travels up... • sunlight and carbon dioxide.

- a. Leaves take in sunlight and carbon dioxide.
- b. Elaborated sap is distributed through the phloem vessels.
- c. Plants absorb water and minerals through the roots.
- d. During photosynthesis, raw sap transforms into elaborated sap.
- e. Raw sap travels up through the xylem vessels.



3

Can plants make their own food at night? Explain.

No, because without sunlight the process of photosynthesis can't happen.