

Leaf Food Makers

Read how green plants make their own food.

SC.3.L.17.2 "Recognize that plants use energy from the Sun, air, and water to make their own food."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline the words that name what a plant needs to make its own food. Circle the sentence that tells what the plant makes.

Beans on the Roof

- ① On the school roof, Maya checks the bean plants each morning. Their leaves face the bright sky, and their roots grow in damp soil. A plant cannot walk to a kitchen for breakfast. Instead, it has a way to make food right in its green leaves. This food helps the plant grow new leaves, flowers, and beans.
- ② First, the leaves take in energy from the Sun. Next, the plant takes in water through its roots. It also takes in air through tiny openings in its leaves. Using the Sun's energy, water, and air, the plant makes its own food. This process happens mostly in green leaves, where the needed materials come together there.
- ③ For a class test, one bean plant is placed near a sunny window and watered. Another bean plant is watered but kept in a dark cabinet. Both plants have air around them. After several days, the plant by the window stays greener. Without sunlight, the cabinet plant cannot get the Sun's energy it needs to make enough food for healthy growth.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What three things does a plant use to make its own food?

2 How does water get into a plant?

3 Why does the bean plant in the dark cabinet have trouble growing healthily?

4 Which bean plant can make more food, the plant by the sunny window or the plant in the dark cabinet? Use details from the passage to explain.

3 YOUR TURN _____ Your own words

Draw a different plant in a place where it can make its own food. Label the Sun's energy, air, and water, then write one sentence explaining how the plant uses them.



PART 1 • READ AND MARK

Underline the words that name what a plant needs to make its own food. Circle the sentence that tells what the plant makes. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What three things does a plant use to make its own food?	Energy from the Sun, water, and air.
2	How does water get into a plant?	The plant takes in water through its roots.
3	Why does the bean plant in the dark cabinet have trouble growing healthily?	It does not get energy from the Sun, so it cannot make enough food.
4	Which bean plant can make more food, the plant by the sunny window or the plant in the dark cabinet? Use details from the passage to explain.	The plant by the sunny window can make more food because it gets energy from the Sun. It also has water and air.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Labels: Sun's energy, air, water. A sunflower near a sunny window uses energy from the Sun, air, and water to make its own food.

Accept answers that identify sunlight or energy from the Sun, air, and water. In the drawing, accept any plant and setting if all three inputs are clearly labeled and the sentence accurately explains that the plant makes its own food.