SCIENCE · BIOLOGY · YEAR 8

Vocabulary Cloze Exercise

Use context clues to complete an informational passage.

Name _____ **Date** _____

1 **Your task:** Choose words from the bank to complete the passage. Write one word in each numbered gap. Use each word once.

Word bank

Read the whole passage for clues.

starch	stomata	oxygen	photosynthesis	reactants
chlorophyll	respiration	carbon dioxide	chloroplasts	glucose

READ AND COMPLETE

How plants make and store food

Green plants make their own food using (1) _____. Unlike animals, they do not eat other organisms to obtain food. Instead, they use light energy to make a sugar, storing some energy for later. Most of this process takes place in leaves.

Inside leaf cells are tiny structures called (2) _____. Each contains a green substance called (3) _____, which absorbs light. This captured energy powers the chemical changes that make food.

Water enters a plant through its roots and travels up to the leaves. Tiny openings, mostly on the underside of leaves, are called (4) _____. They allow gases to pass between the leaf and the air. A gas from the air called (5) _____ enters through these openings. Water and this gas are the starting materials for the process; in science, starting materials in a chemical change are called (6) _____.

The plant uses light energy to turn the starting materials into (7) _____, a simple sugar that can be moved around the plant or used to build other substances. Another gas, (8) _____, is made during the process and leaves the plant through the openings. Animals and plants use sugar in (9) _____, a process that releases energy from food. If a plant makes more sugar than it needs immediately, it can change some into (10) _____, an insoluble substance that is useful for long-term storage.

☐ **Before you finish:** I used each word once and reread the passage to check that it makes sense.