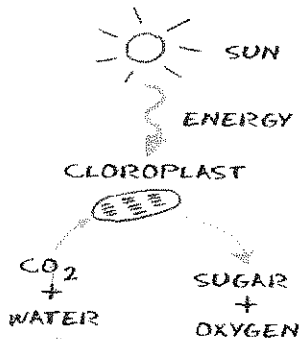


8. What three things are used to make glucose in photosynthesis? _____
9. Where does the water come from? _____
10. Where does the water enter the plant? _____
11. Name 3 some sources of CO₂. _____
12. What type of energy does the plant use to convert CO₂ and H₂O into sugar? _____

The products are **glucose** and **oxygen**. The glucose produced is used by the plant for energy and growth. We also use this glucose by eating plants. The oxygen produced is released into the air for us to breath. Photosynthesis is essential for all life on earth, because it provides food and oxygen. Plants are considered autotrophs because unlike us humans, they can make their own food using this process.

13. What is produced in photosynthesis? _____
14. What is the glucose used for? _____
15. What is the oxygen used for? _____
16. Here are three different ways to visualize the photosynthesis reaction: Is it easier for you to understand the reaction by using pictures, words, or symbols (see above)? Why?

Photosynthesis in pictures	Photosynthesis in words	Photosynthesis in symbols
	<p>Carbon dioxide and water combine with sunlight to create oxygen and glucose.</p>	$CO_2 + H_2O \xrightarrow{\text{light}} C_6H_{12}O_6 + O_2$

Essential Question: Describe, using scientific terms, how plants turn sunlight into energy? Make sure to refer to the chemical equation to photosynthesis and discuss the reactants and products.
