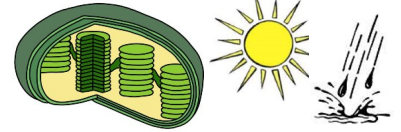




Easter Science Activity Year 3 and 4

Understand and describe the cycle of photosynthesis.

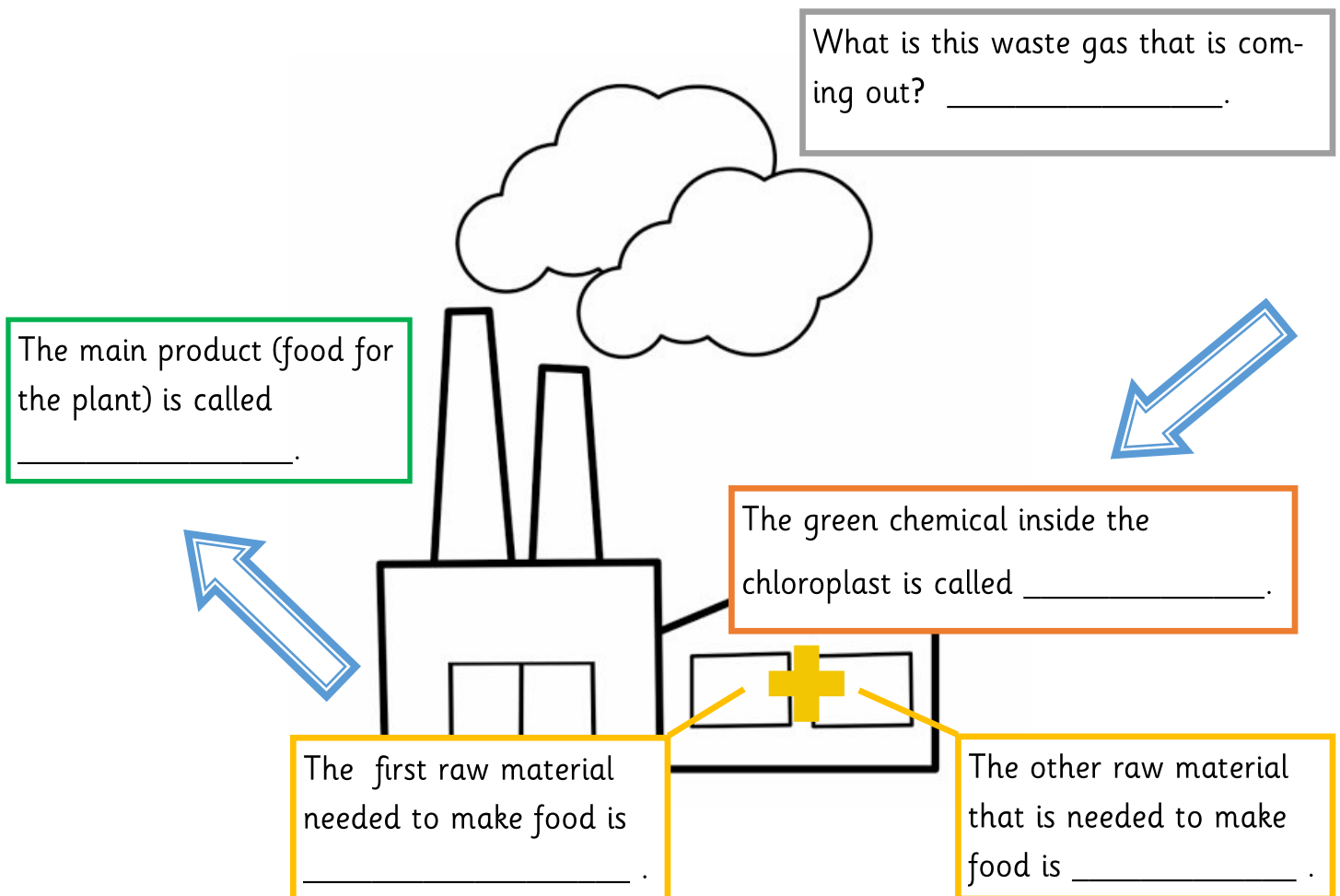


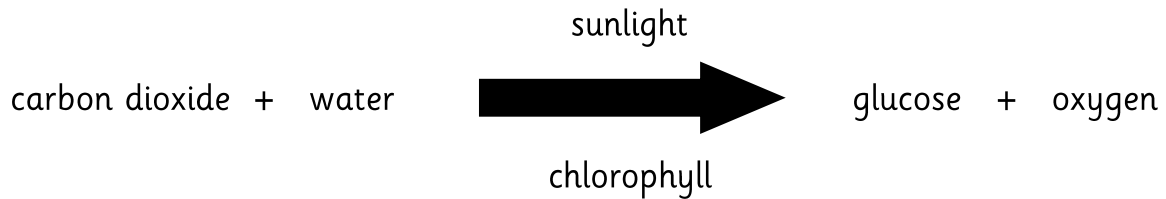
A plant uses **water** and **carbon dioxide** to make its own food. The plant needs the sun's energy (**light**) to do this. This process is called **photosynthesis** and it takes place in the green parts of a plant in a structure called the **chloroplast**. (The chloroplasts contain a chemical called **chlorophyll**).

Photosynthesis makes food for the plant. This food is **glucose** (sugar).

There is a waste product of photosynthesis. This waste product is **oxygen**. During photosynthesis the plant releases oxygen into the air. That is why green plants are needed on the earth to make oxygen for animals to breathe in.

The **chloroplast** is the plant's food factory. Using the information in the paragraph above, can you complete the labels in the diagram to show the process of photosynthesis inside the chloroplast.





What does this diagram tell you?

Answer these questions with TRUE or FALSE.

1. Plants get food from the soil. _____
2. Plants make food in their green leaves. _____
3. Water gives the plant the food it needs. _____
4. It is the green chemical in leaves that helps make the food. _____
5. To make food a plant needs oxygen. _____
6. Chlorophyll is green. _____
7. Photosynthesis makes chlorophyll. _____
8. Photosynthesis is when the plants makes food in its leaves. _____
9. A plant needs water to make food. _____
10. The plant gets food from the sun. _____
11. Sunlight is needed for photosynthesis. _____
12. The speed of photosynthesis is always the same in a leaf. _____
13. The speed of photosynthesis depends on the temperature. _____
14. It needs to be warm for photosynthesis to take place quickly. _____

Design a poster explaining photosynthesis.