

carbon dioxide + water

sunlight

chlorophyll

glucose + oxygen

What does this mean?

When a plant makes food it takes the water and the carbon dioxide and joins them together with the sun's energy . To do this it needs chlorophyll. A chemical reaction takes place inside the chloroplasts (the little structures containing chlorophyll ).

A chemical reaction takes place inside the chloroplast because of the chlorophyll. Then food is made for the plant. This food is called **GLUCOSE**.

There is a waste product of photosynthesis. This waste product is **OXYGEN**. During photosynthesis the plants gives off oxygen That is why green plants are needed on the earth to make new oxygen for us to breathe in.

Think of a **CHLOROPLAST** as a factory. In the pictures below fill in the names of what is going on.

The main product made is called \_\_\_\_\_.

What is this waste that is coming out?  
\_\_\_\_\_

The green chemical inside the chloroplast is called \_\_\_\_\_.

The first raw material needed to make food is \_\_\_\_\_  
\_\_\_\_\_

The other raw material that is needed to make food is \_\_\_\_\_  
\_\_\_\_\_

