

LOLLECULES

Plants use energy from the sun to convert 6 carbon dioxide (CO_2) molecules and 6 water molecules (H_2O) into one glucose molecule ($\text{C}_6\text{H}_{12}\text{O}_6$) and 6 oxygen molecules (O_2).

This is the process of photosynthesis

Before
Photosynthesis



6 water molecules



6 carbon dioxide molecules

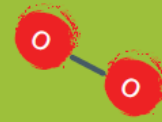
Turn the page to see what happens after photosynthesis



Use the lollies provided to make EITHER:
6 carbon dioxide molecules and 6 water molecules OR
1 glucose molecule and 6 oxygen molecules

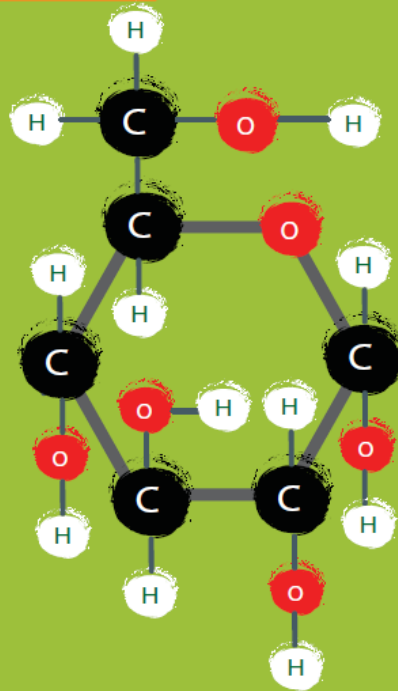
ARC CENTRE OF EXCELLENCE FOR
**translational
photosynthesis**

After Photosynthesis



6 oxygen molecules

1 glucose molecule



Something to think about

What will happen to the glucose when your body breaks it down to make use of its energy?

Find out the answer, and more at photosynthesis.org.au/teachers