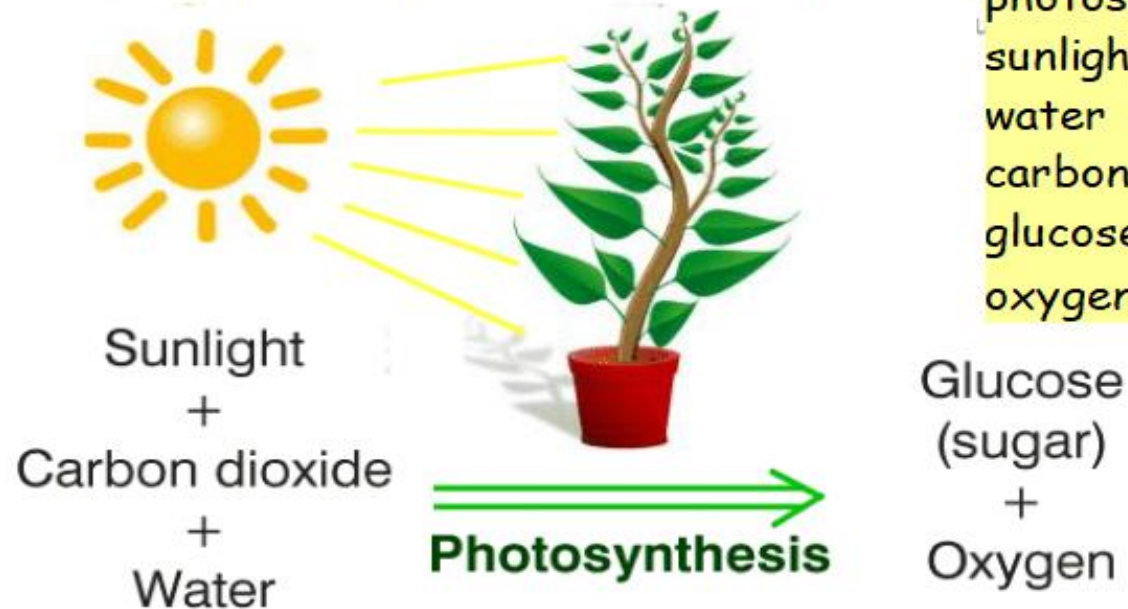


# What keeps a plant healthy?



## Key Vocabulary

photosynthesis  
sunlight  
water  
carbon dioxide  
glucose  
oxygen

This process is called **photosynthesis** - all of these conditions need to happen for a plant to grow healthy and strong!



Watch the following video on photosynthesis:

<https://www.youtube.com/watch?v=D1Ymc311XS8>

# What experiments can I do?

Take 4 small plastic trays and place some cotton wool inside. Plant cress seeds in each one. For tray no.1, put in a place with lots of sunlight, and give regular water. For no.2, put in a place with lots of sunlight but no water. For no.3, place in a dark cupboard but water regularly. For the last tray, place into a sealed tub. After a while, see how your cress seeds have grown.

Why do you think they're different? Which is the most important for a plant to grow?

	Tray no.1	Tray no.2	Tray no.3	Tray no.4
Water	✓	✗	✓	✓
Sunlight	✓	✓	✗	✓
Carbon dioxide	✓	✓	✓	✗

