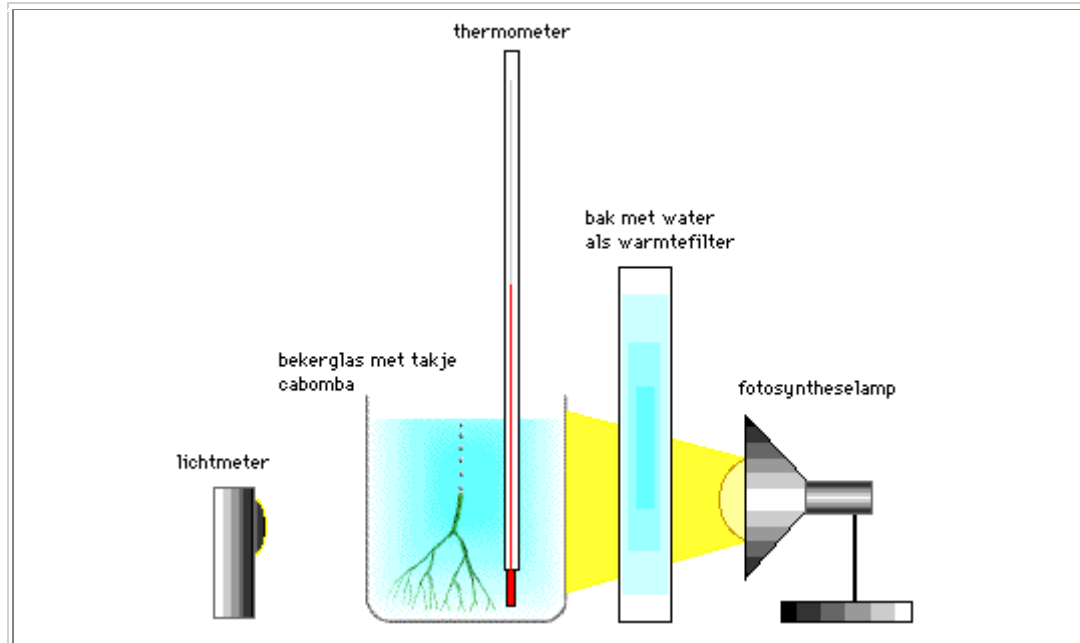


## Meten van de fotosynthese

## methode 1



The photosynthesis can be measured by measuring the amount of CO<sub>2</sub> or the amount of given of O<sub>2</sub>.

The easiest method is with the waterplant Cabomba. The Oxygen comes free in the form of bubbles than can be counted.

- Fill 5 test-tubes with water of 20 degree.
- Cut 5 side-branches of a Cabomba and put them separately, with the wound up in a test-tube.
- Put the tubes in front of a strong lamp look for a plant with leaving bubbles every 2 of 3 counts.  
The bubbles must be of the same size and produced regularly. If there are no side-branches, cut another piece of the stem or take a new branch until it is alright
- Put the good branch in a wide test-tube with water with a few drops of NaHCO<sub>3</sub> (natriumwaterstofcarbonaat). This causes CO<sub>2</sub> in the water, or use sparkling water without bubbles (otherwise you will mix them with Oxygen bubbles).
- Maak an experiment like above. Use a photosynthesis lamp and a big tray as a warmth.
- Let the temperature remain constant.
- Use a photometer.