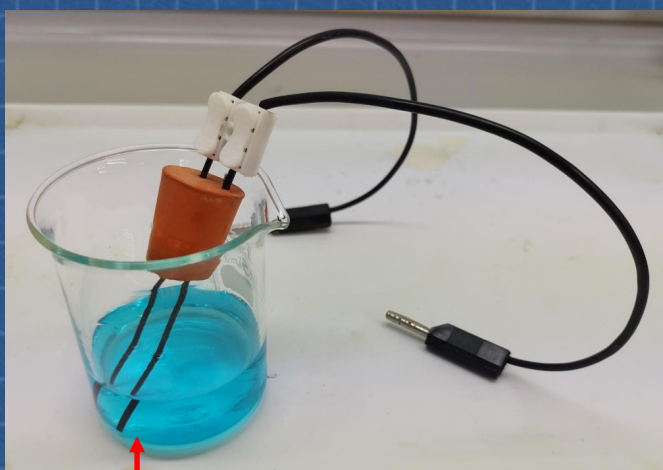


Electrolysis



Electrolyte

Carbon fibre rod electrodes

Same as you find in kites 2-3mm in diameter about 100mm long.

Leads

Standard school science leads with 4mm plugs around 250mm long.

Electrolysis of aqueous solutions

In this configuration upturned test tubes can be used to collect gas at the anode/cathode for further testing and identification.

Container
Water bottle cut down to about 110mm. Dip the cut end briefly into freshly boiled water to make a rounded edge.



Bung

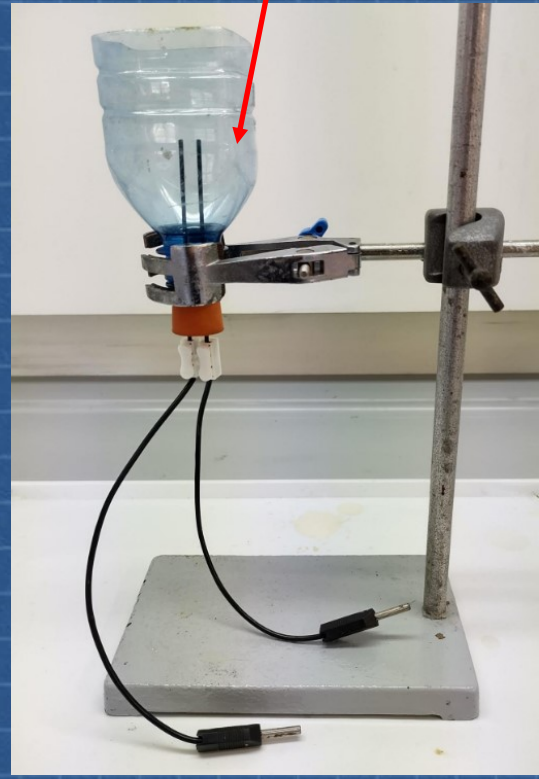
No 21 Bung with no holes. Either using a 2 or 3mm drill bit or a sharp mounted needle (with a strong handle!) make two holes about 10mm apart.

Connector

Self locking connector or 3A terminal block.

Parts list:

- Carbon fibre rods - 2-3mm dia 100 mm long
- Self locking connector or 3A terminal block
- Water bottle cut to about 110mm
- No 21 Bung no holes
- Leads with 4mm plugs about 250mm long x2



Links

Carbon fibre rods - 2-3mm dia 85mm

<https://tinyurl.com/yeryc6et>

Self locking connector or 3A terminal block

<https://www.rapidonline.com/truconnect-3a-12-way-terminal-block-21-0100>

<https://tinyurl.com/ypcjr8wc>

Leads with 4mm plugs about 250mm

<https://www.rapidonline.com/r-tech-524593-test-lead-50cm-4mm-stackable-plugs-yellow-52-4593>

No 21 Bung soild/no holes

<https://www.brecklandscientific.co.uk/STP-000-021-p/stp-000-021.htm>

W3

Drawing No. 2
Rev. 3

Scale
1:1

Title

Blueprint