

# AS and A-level Chemistry practicals: Equipment set up

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Practical 7: Measuring the rate of reaction:

- by an initial rate method
  - by a continuous monitoring method
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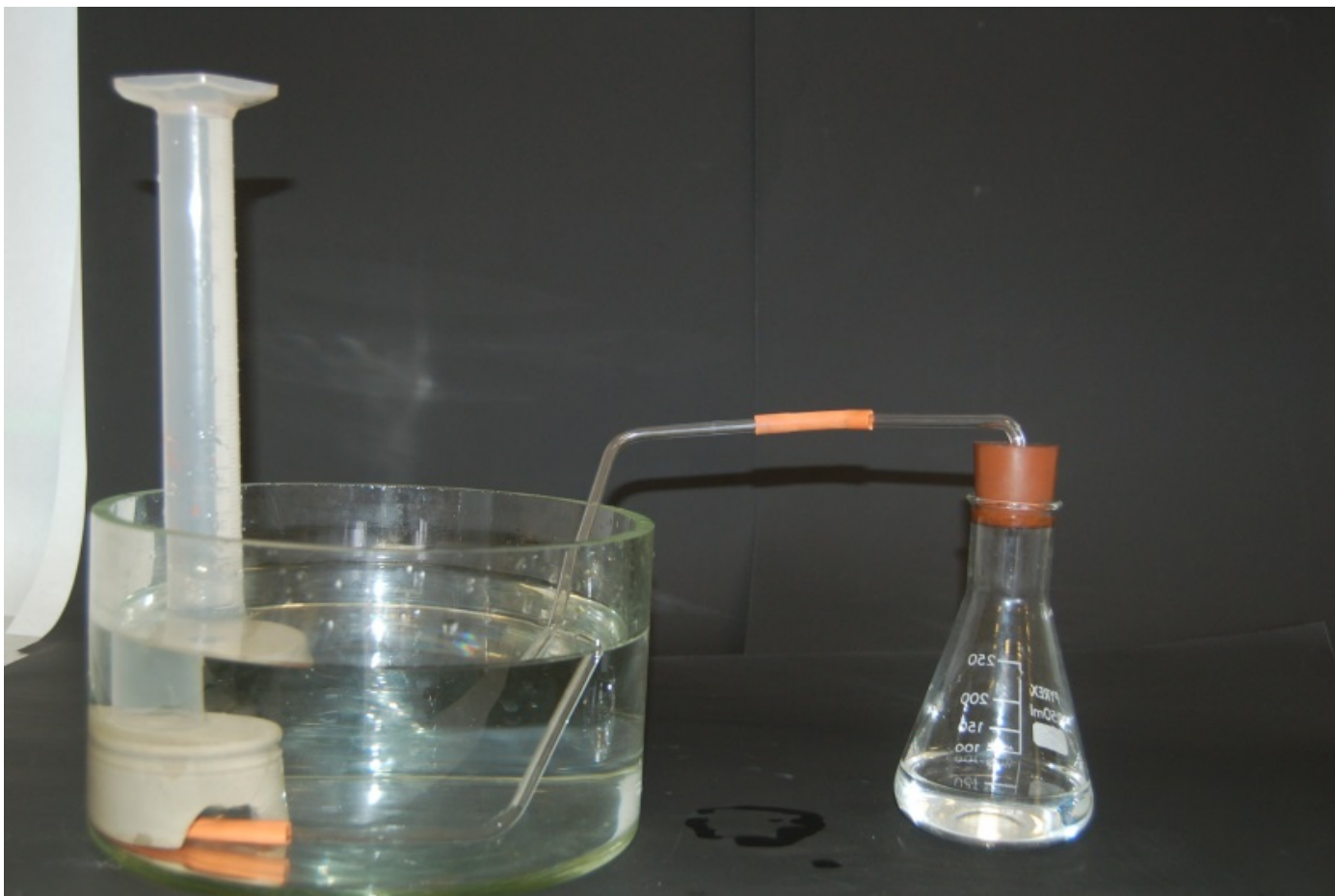
# Gas collection over water

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- Care should be taken when setting up the measuring cylinder to reduce the amount of water lost when upturning the cylinder.
- Once the apparatus has been set up it is advisable to record the level of the water in the cylinder before the start of the experiment as it is unlikely that it will be at zero.

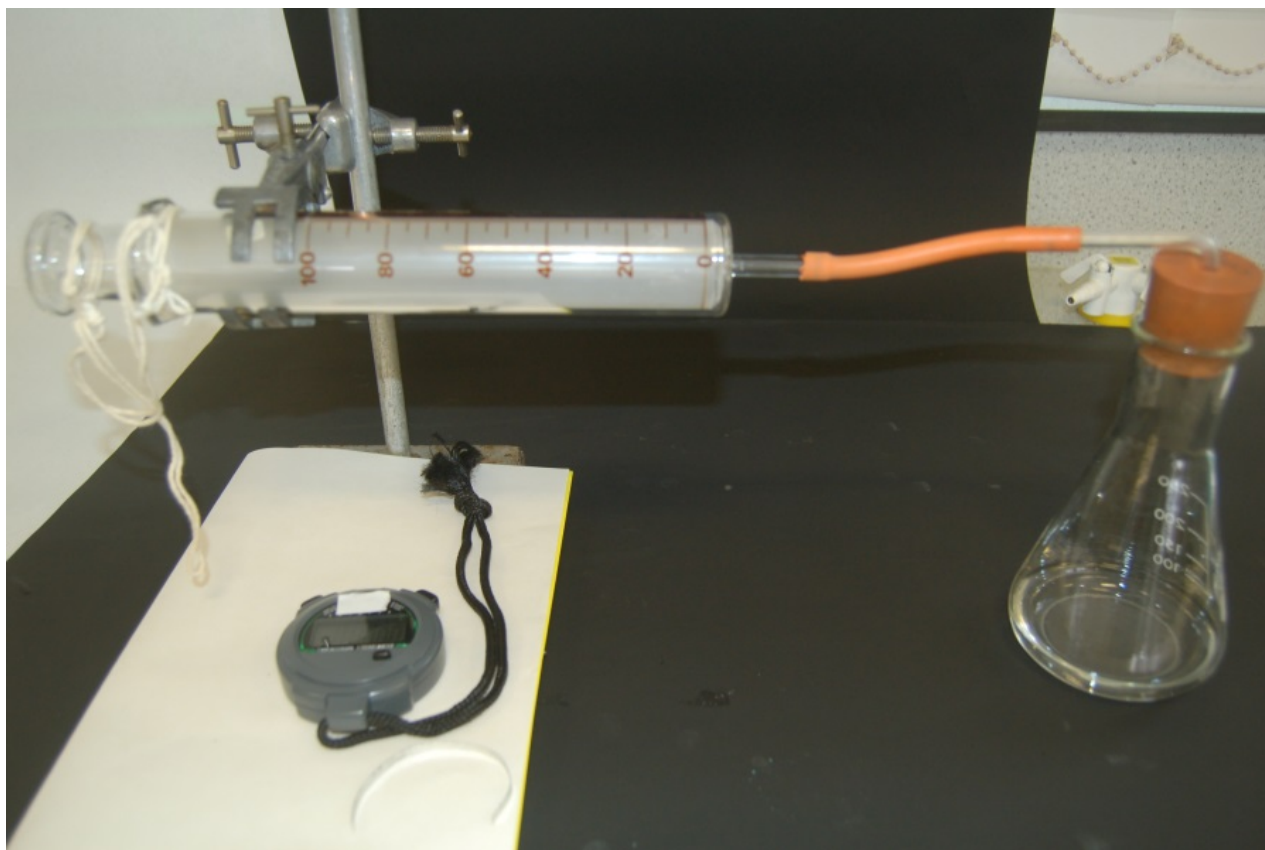
# Gas collection over water

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# Using a gas syringe

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# Using a gas syringe

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- String can be tied around the plunger and the barrel to prevent the plunger being dropped on the floor during carrying.
- The string should be long enough to allow the syringe to collect  $100\text{cm}^3$  of gas but not too long as to become tangled.