

Chemistry A Level Transition Summer HW

Virtual Practical: Titration

A titration is an analytical technique where one solution is carefully added to another solution a little at a time until a specific end point is reached. The end point is usually monitored by adding an indicator.

Instructions

1. Go to the following web page on the Royal Society of Chemistry (RSC) website:
<https://virtual.edu.rsc.org/titration/experiment/2>
2. Click on the 'register' key and then on the second 'register' key that appears (not on the 'register class' key).
3. Enter your first name or initials and click register.
4. You will be given a user number. Make a note of this number so that you can use it to log into the site and retrieve your progress.
5. Return to screen experiment and start titration 1.
6. Follow the prompts to watch the video and complete tasks and questions.
7. At the start of each titration you will be awarded points – you can add to the points by answering questions and completing the tasks correctly, but you can also lose points if you get things wrong.
8. Work through the Level 1 and then the Level 2 titration. You can review your progress at any time by clicking on the orange 'lab book' at the bottom of the screen.
9. Once you have finished both titrations, open the lab book and download and print a PDF copy of it.

Challenge:

Have a go at the Level 3 and 4 titrations – the Level 4 titration is a type of titration called a redox titration – you won't do this type of titration until you are in Year 13.

Useful website about titrations at A level:

<https://www.birmingham.ac.uk/teachers/study-resources/stem/Chemistry/acid-base-titration.aspx>