

A LEVEL CHEMISTRY SUMMER ASSIGNMENT

Task 1

We would like you to check and further develop your understanding by going onto the Seneca learning website to consolidate your GCSE knowledge and prepare for A level. Many of you will have used Seneca learning for your GCSE work.

Click on the following link : <https://app.senecalearning.com/dashboard/join-class/gheh62uyb4>

Code: gheh62uyb4

If you already have an account, you can join the class with the code: brng15x3lv
Otherwise, you will be asked to create an account.

Or, you can scan the QR code below with your phone:

✦ SENECA

To join Pascale's class: Year 12
Chemistry 2022

1. Go to the website:
app.senecalearning.com/join-class
2. Sign up as a student
3. Type in the class code: [gheh62uyb4](#)

Or scan the QR code with your phone





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We are also asking you to try out / research and feed back about online resources / a specific issue in chemistry / or person who has been important in the development of chemistry.

Task 2

Below are some ideas for you, you can choose item 1, 2 or 3

1. Click on the link <https://phet.colorado.edu/en/simulations/category/chemistry> or put 'phet chemistry animations' in your preferred search engine.

Pick two of the animations from the following list

Balancing chemical equations. Build an atom. Build a molecule. Density. Diffusion. Energy forms & changes. Gases intro. Gas properties. The Greenhouse effect. Isotopes & atomic mass. Reactants, products & leftovers. Reactions & Rates. Salts and Solubility. States of matter basics. States of matter. Sugar and salt solutions.

Try them out and write a report as a poster about the purpose of each animation.

Include what each animation is good at (in the sense of helping you with learning the chemistry) and what could be improved.

2. Click on the following link or copy & paste in your preferred search engine <https://www.famousscientists.org/top-chemists/> Pick one chemist who interests you & make a poster about them & their achievements. Make it as interesting as possible.

3. Summarize an article or journal article of your choice including an overview of the chemistry. Some places to look for articles are:

New Scientist

The guardian

The BBC

Nature

Include what the article is about, why you chose it, what the science behind the article is, and a reference for more reading