

Preparing for A-Level Chemistry – Gateway Activity

In order to study A Level Chemistry, it is useful to have a background into the various components, history and developments.

This research will give you a more rounded vision of Chemistry and its potential career opportunities.

Hope you enjoy!

Read

1. Read the article and state what the 5 disciplines in Chemistry are.

Summarise each of these areas in less than 150 words. Give examples of each discipline:

<https://www.uwlax.edu/chemistry-and-biochemistry/student-resources/different-types-of-chemistry/#:~:text=Traditionally%2C%20chemistry%20has%20been%20broken,%2C%20Physical%2C%20Inorganic%20and%20Biochemistry.>

2. What do you think are the most important developments in chemistry (no more than 200 words). Some sites to help you:

<https://www.mixerdirect.com/blogs/mixer-direct-blog/5-chemistry-discoveries-that-changed-the-world>

<https://www.businessinsider.com/chemists-whose-discoveries-changed-our-lives-2013-10?r=US&IR=T>

3. What career opportunities do you think there can be with a qualification in chemistry? List 5 of these and explain what each of these roles / professions main duties are.

<https://edu.rsc.org/future-in-chemistry/career-options>

<https://www.strath.ac.uk/science/chemistry/studywithus/careersinchemistry/>

<https://www.mendeley.com/careers/news/careers-jobs-field/top-10-chemistry-jobs>

<https://www.glassdoor.com/blog/guide/jobs-chemistry-majors/>

Watch

1. Summarise in less than 100 words: What is a Titration and why is it done?

<https://www.youtube.com/watch?v=dLNspGDGzms>

Engage

1. What aspects of Chemistry excite you? Use the following resources to help consolidate and write a paragraph in less than 200 words:

<https://sciencenotes.org/what-are-some-examples-of-chemistry-in-daily-life/>

https://www.researchgate.net/publication/309637872_Chemistry_in_Our_Daily_Life_Preliminary_Information_International_Journal_of_Home_Science