

Applying Chemical Ideas

CH12-15

3 inquiry questions • 7 dot points

1 How are the ions present in the environment identified and measured?

- analyse the need for monitoring the environment
- conduct qualitative investigations – using flame tests, precipitation and complexation reactions as appropriate – to test for the presence in aqueous solution of the following ions:...
- conduct investigations and/or process data involving:...
- conduct investigations and/or process data to determine the concentration of coloured species and/or metal ions in aqueous solution, including but not limited to, the use of:...

2 How is information about the reactivity and structure of organic compounds obtained?

- conduct qualitative investigations to test for the presence in organic molecules of the following functional groups:...
- investigate the processes used to analyse the structure of simple organic compounds addressed in the course, including but not limited to:...

3 What are the implications for society of chemical synthesis and design?

- evaluate the factors that need to be considered when designing a chemical synthesis process, including but not limited to:...