

### What are we learning about?

This topic will look at how we actually know what we are dealing with. How many times have you seen different chemicals and the all look the same? This unit will teach you how to tell them apart!



### Why are we learning about it?

This unit looks at different methods of telling what chemicals we have. This is extremely important as only by testing can we be sure which chemicals are which. There is a whole industry built around this called analytical chemistry!



### What new KNOWLEDGE will I gain?

New methods for testing for different compounds and the positive results that will occur. This ranges from chromatography to gas tests!



## Chemical analysis: Learning Journey

### How does this build on the SKILLS I already have?

You can already do basic bench chemistry tests. This time you will be doing multiple tests at once, developing your practical and organisational skills.



### What new SKILLS will I develop?

This unit tests your ability to solve problems by testing different chemicals to find out what they are. This will develop your practical skills and chemical reasoning skills.



### How does this build on the KNOWLEDGE I already have?

You already know what chromatography is. You have done a basic version in KS3. You also have the knowledge of 2 gas tests; Hydrogen and Carbon dioxide. We will add more!