

# C8 Chemical Analysis

<i>Can you...?</i>	😊	😐	☹️
<b>8.1.1 Pure Substances</b>			
Describe what a that a pure substance is.			
Explain how melting and boiling point data can be used to identify pure and impure substances.			
Use melting and boiling point data to distinguish pure substances from impure substances.			
Describe what a 'pure substance' can mean in everyday language.			
<b>8.1.2 Formulations</b>			
Describe what a formulation is.			
Describe how a formulation is made.			
State examples of formulations.			
Identify formulations given appropriate information.			
<b>8.1.3 Chromatography</b>			
State the uses of chromatography.			
Describe how paper chromatography is carried out.			
Explain how paper chromatography separates substances.			
Explain how chromatography can be used to distinguish pure substances from impure substances.			
Interpret chromatograms and calculate R <sub>f</sub> values.			
Explain how R <sub>f</sub> values can be used to identify substances.			
<b>8.2 Test for common gases</b>			
Describe and explain the test for hydrogen.			
Describe and explain the test for oxygen.			
Describe and explain the test for carbon dioxide.			
Describe and explain the test for chlorine.			
Interpret the results of gas tests.			