



Welcome

A Level Chemistry



OCR

Chemistry A

H432

Content Overview	Assessment Overview	
<p>Content is split into six teaching modules:</p> <ul style="list-style-type: none"> • Module 1 – Development of practical skills in chemistry • Module 2 – Foundations in chemistry • Module 3 – Periodic table and energy • Module 4 – Core organic chemistry • Module 5 – Physical chemistry and transition elements • Module 6 – Organic chemistry and analysis <p>Component 01 assesses content from modules 1, 2, 3 and 5.</p> <p>Component 02 assesses content from modules 1, 2, 4 and 6.</p> <p>Component 03 assesses content from all modules (1 to 6).</p>	<p>Periodic table, elements and physical chemistry (01)</p> <p>100 marks</p> <p>2 hours 15 minutes written paper</p>	<p>37%</p> <p>of total A level</p>
	<p>Synthesis and analytical techniques (02)</p> <p>100 marks</p> <p>2 hours 15 minutes written paper</p>	<p>37%</p> <p>of total A level</p>
	<p>Unified chemistry (03)</p> <p>70 marks</p> <p>1 hour 30 minutes written paper</p>	<p>26%</p> <p>of total A level</p>
	<p>Practical Endorsement in chemistry (04)</p> <p>(non exam assessment)</p>	<p>Reported separately</p> <p>(see Section 5)</p>

Module 1 – Development of practical skills in chemistry

- Practical skills assessed in a written examination

Module 2 – Foundations in chemistry

- Atoms, compounds, molecules and equations
- Amount of substance
- Acid–base and redox reactions
- Electrons, bonding and structure

Module 3 – Periodic table and energy

- The periodic table and periodicity
- Group 2 and the halogens
- Qualitative analysis
- Enthalpy changes
- Reaction rates and equilibrium (qualitative)

Module 4 – Core organic chemistry

- Basic concepts
- Hydrocarbons
- Alcohols and haloalkanes
- Organic synthesis
- Analytical techniques (IR and MS)

Practical endorsement

- A minimum of 12 practical activities to be carried out
- Assessed against a criteria by teachers
- Students to keep appropriate records of assessed practical activities
- No separate assessment of practical skills for AS qualifications
- AS and A level exam papers will contain questions that assess practical skills

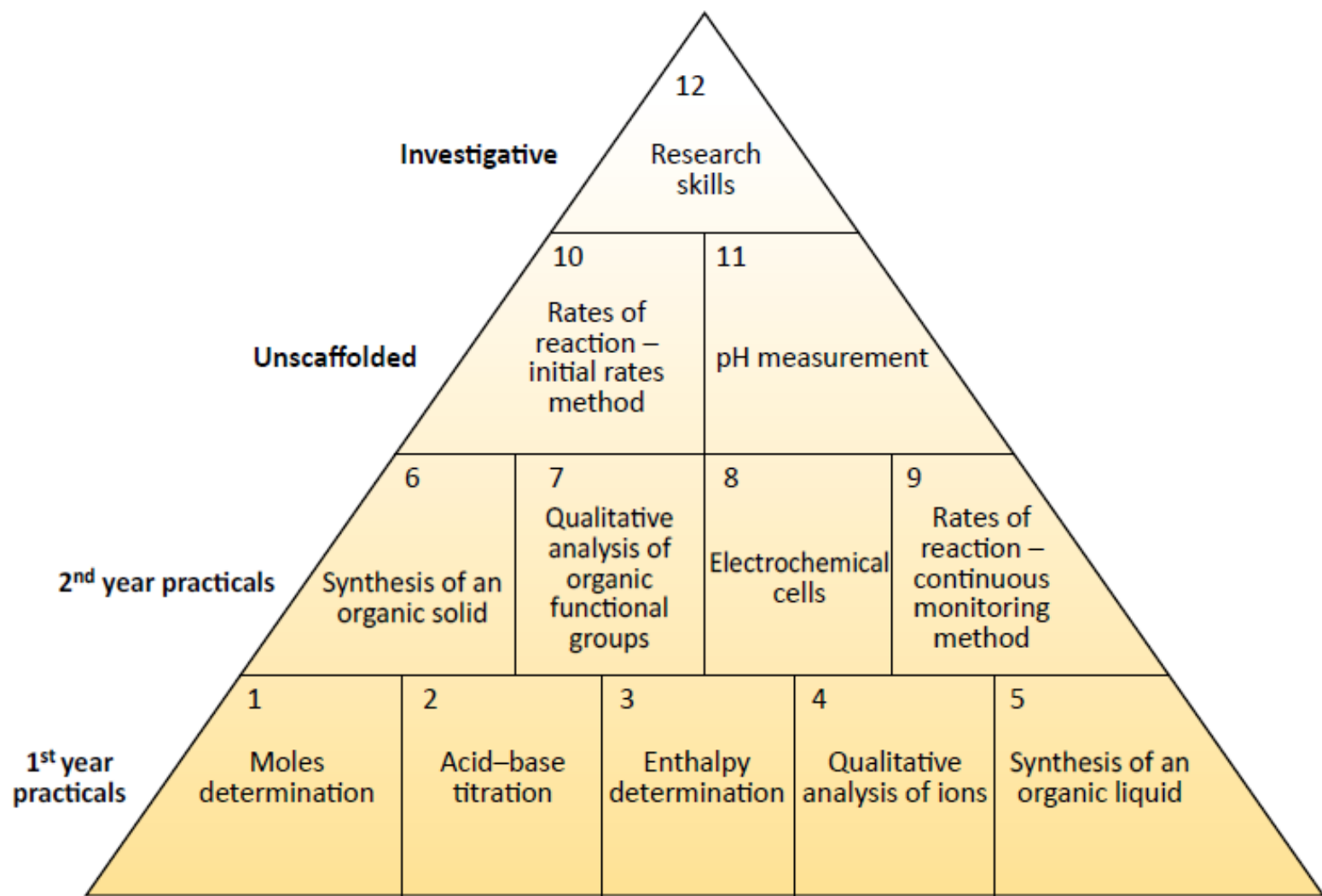
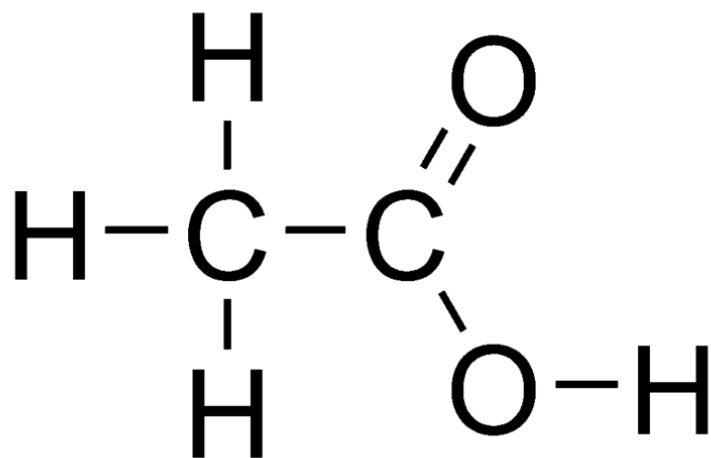


Fig. 1 OCR's Practical Activity Groups (PAGs), also see **Table 1**

What will it be like?

- Academic challenge
- Practical focus
- At least 20% Level 2 Maths
- Problem solving

We need students who are **committed to studying Chemistry** in lessons and independently.



What is the concentration of ethanoic acid in vinegar?