

Preparing an organic liquid: Practical skills quizzes

These quizzes are available free to Learn Chemistry Partner (LCP) schools - [Register for LCP](#) for free or [check if your school is already signed up](#). Once signed up email education@rsc.org to request accounts. Each student needs only one account to access all our Assessment quizzes and our Practical Skills quizzes.

How to use these quizzes

Use these quizzes to enhance your understanding of techniques and procedures used in practical chemistry. Every question comes with feedback to help you progress and to appreciate the importance of developing effective laboratory skills

Look at the image. It shows the chemicals used in the preparation of butyl ethanoate together with their associated hazards.



Choose from the drop down menus the appropriate hazard for each chemical to match the precautions described.

Butan-1-ol and **ethanoic acid** are . Therefore there must be no naked flames present in the laboratory or extra precautions must be taken if naked flames are used for heating.

Butan-1-ol, **ethanoic acid** and **concentrated sulfuric acid** are . Therefore you must not get them on your skin and should wear goggles at all times to prevent them splashing into your eyes.

Butan-1-ol is harmful if swallowed, irritating to the respiratory system and skin, can cause serious damages to eyes and, vapours may cause drowsiness and dizziness. As a result it is labelled . Therefore in addition to the precautions mentioned above, the laboratory must be well ventilated.

Check

The organic liquid quizzes link to four main videos, which demonstrate best practice. These videos can be viewed before you attempt the quizzes and referred to later to refresh your memory.

There are five quizzes in this topic:

- 2.1 Making butyl ethanoate: heating under reflux
- 2.2 Making butyl ethanoate: purification with a separating funnel
- 2.3 Making butyl ethanoate: the final distillation
- 2.4 Summary quiz: preparation of cyclohexene

Click on the link below to get started:

[Access the organic liquid quizzes](#)



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