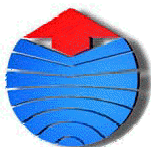


Name	
Date	

C2		C4	
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IGCSE Chemistry Assessed Practical Work

Cracking Hydrocarbons.

Aim

You will be provided with a plastic bag. Your aim is to crack the long chain hydrocarbons in the plastic using a suitable technique, and to test the products of the reaction.

Safety notes

The products of the reaction are not toxic but, as in all organic chemistry practical work, you must work in a well-ventilated area and wear eye protection when you are heating substances.

Don't start anything until you have checked that it is safe with the teacher.

Key concepts

Make sure you understand these terms:

Hydrocarbon Crude oil Alkane Alkene (Un)saturation

Assessment

Ensure that you have covered each of these points.

C4. Planning, carrying out and evaluating investigations.

Point to be covered	Check
Identify the problem; understand the task you need to carry out	
Write down a basic strategy for carrying out the procedure	
Carry out trial runs to get an idea of the best kind of set up, the best quantities to use, the best kinds of apparatus, etc.	
Change the original plan in the light of the trials, giving reasons for the changes	
Implement the changes to the original plan	
Carry out the procedure safely and effectively	
Attempt to identify any products formed	
Comment on how to deal with any unexpected observations	
Comment on the suitability of the procedure and suggest changes	

C2. Observing, measuring and recording.

Point to be covered	Check
Record observations in an appropriate and clear format	