

# Reactions of Alcohols 2

Pre-lesson assignment – Textbook page 220-221 & 234-236

## Define the following terms

- Oxidation
- Heating under Reflux

***Now watch the video tutorial on distillation and reflux***

## Make notes on the reactions of alcohols

*Use the following questions as guidance*

1. Write equations for the oxidation of ethanol:
  - a. To an aldehyde
  - b. To a carboxylic acid
2. Explain how the equipment used to react ethanol with acidified potassium dichromate can be altered to selectively produce either product.
3. Draw a diagram of distillation and explain why it is able to separate compounds with different volatility.
4. Draw a diagram of reflux and explain why it is often used in chemical reactions.