

Reactions of Alcohols 2

Pre-lesson assignment – Textbook page 226 – 227 & 240-242

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.