

Reactions of Alcohols 3

Pre-lesson assignment – Textbook page 228 and page 186

Define the following terms

- Dehydration
- Elimination

Make notes on the reactions of alcohols

Use the following questions as guidance

1. State the reagents and conditions for the dehydration of an alcohol.
2. Write an equation for the dehydration of...
 - a. Butan-1-ol
 - b. Propan-2-ol
 - c. Pentan-3-ol
3. Show all the possible products of the dehydration of 2-methylbutan-2-ol. What kind of isomerism can be produced here?
4. State the reagents and conditions required to substitute an alcohol group with a halogen.
5. Write an equation for the substitution of butan-2-ol.