

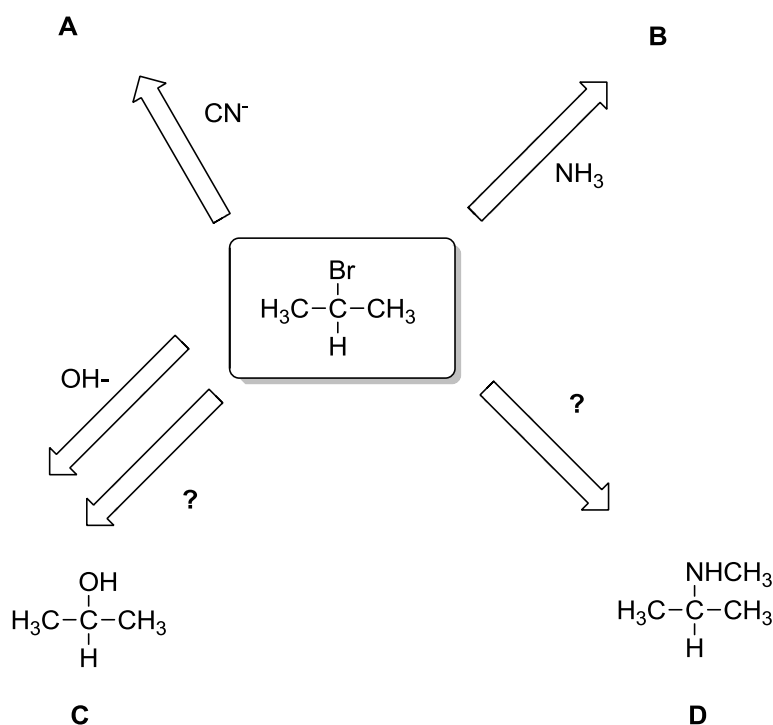


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5.3.1 Substitution reactions

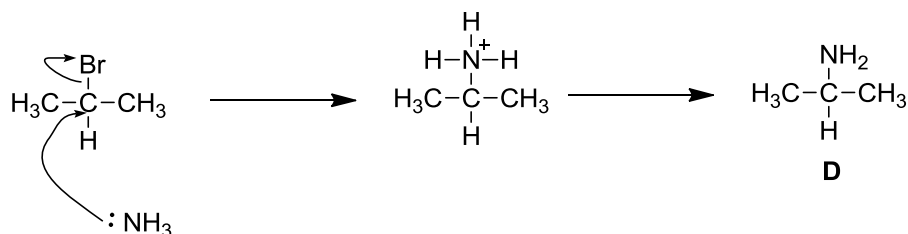
Haloalkanes are useful intermediates in synthesis because they can be transformed into many different compounds via substitution reactions.

1. Complete the spider diagram to show the products that can be formed from 2-bromopropane. Each product should be drawn (A and B) and named (A-D) and missing reagents completed. (8 marks)

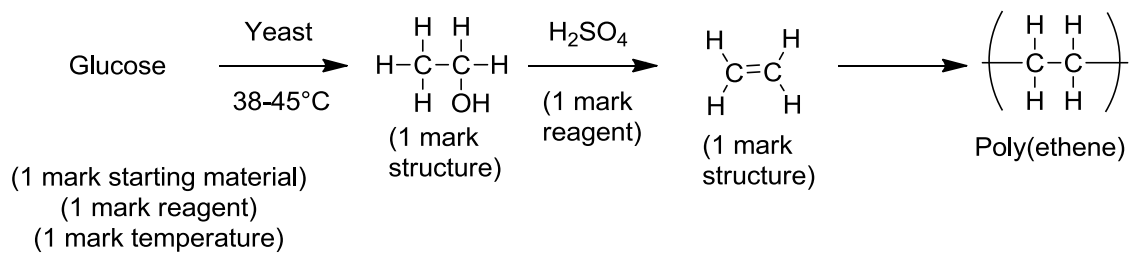


The reactions proceed via the nucleophilic substitution mechanism. The beginning of this mechanism is outlined below.

2. Complete the mechanism using the appropriate species to show how D is formed from 2-bromopropane. (2 marks)

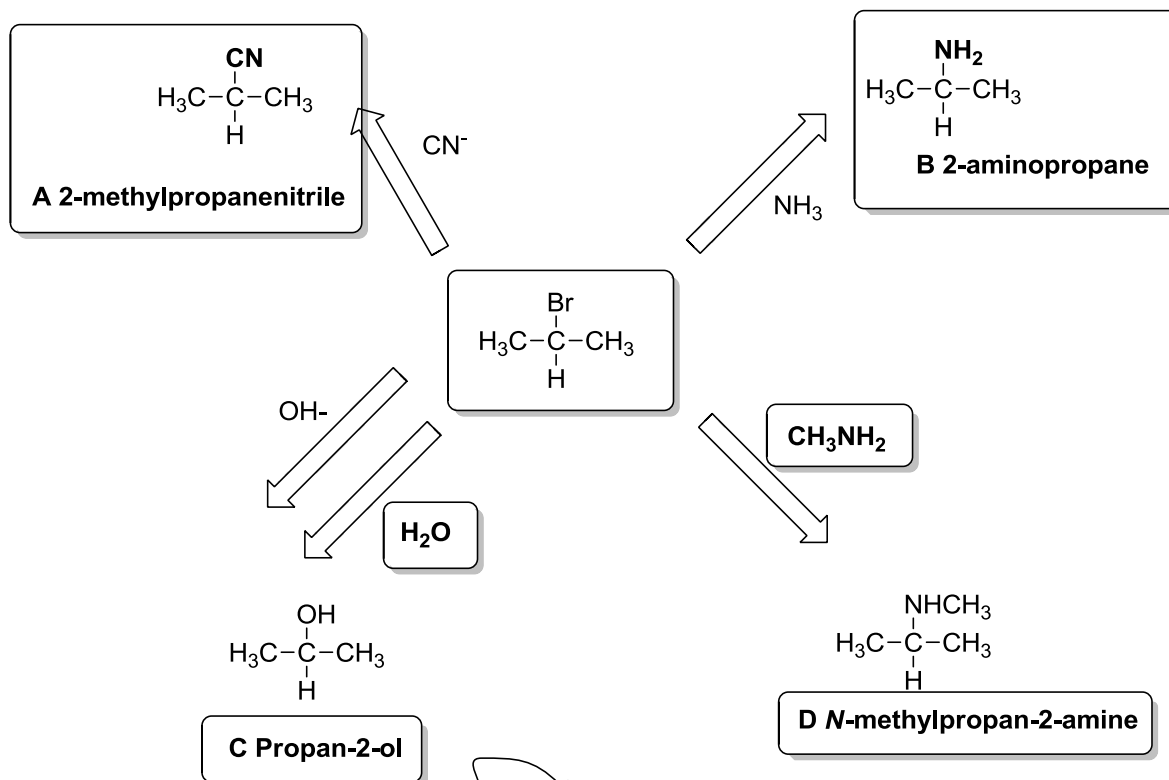


(1 mark each)



5.3.1

Question 1



Question 2

