

Mark schemes

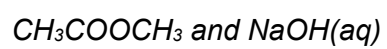
Q1.**B***B***[1]****Q2.****D**

An increase in pressure, at constant temperature, increases the equilibrium yield of ethanol.

[1]**Q3.****B***CH₃COCH₃***[1]****Q4.****D***C₆H₅CH(OH)CH₃ + [O] → C₆H₅COCH₃ + H₂O***[1]****Q5.****D***pentan-2-ol***[1]****Q6.****D***3-methylbutan-2-ol***[1]****Q7.****A**

They are easily oxidised to carboxylic acids by acidified K₂Cr₂O₇ solution.

[1]

Q8.**B****[1]****Q9.****C****[1]**