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Question 21 (3 marks)

A 0.001 mol L^{-1} solution of hydrochloric acid and a 0.056 mol L^{-1} solution of ethanoic acid both have a pH of 3.0.

Why do both solutions have the same pH?

The pH of the solution departs on the concentration of the aid. Here hydrochiolicacid (tell) has the concentration of 0.001 mole which is less than that of the concentration of the ethanolic aid (i.e. 0.05 mole). Therefore a low confertible HU has the same PH of 30 of ethigh concentrated chascoet.