3

Question 21 (3 marks)

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

Why do both solutions have the same pH?

Both Solutions have the same pH level hecause little

When the hydrochloric acid is a freeher type of acid

then the hydrochloric acid. When there is a higher a

concentration of ethanomic acid its pH level is

ruised to that of the Hydrochloric acid

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