

25 Strong and weak acids – Part 2

— Answers

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Work through these after trying the questions yourself.

25.6 Every molecule has split into ions.

25.7 Partly ionised.

25.8 Stronger.

25.9 1.0×10^{-14} .

25.10 $\text{pH} = -\log(0.01) = 2$.

25.11 Acid A. A larger K_a means the acid ionises more fully, releasing more H^+ ions, so it is the stronger acid. Acid A's K_a (10^{-3}) is 100 times that of B (10^{-5}).