

Question 32

(9 marks)

From a measuring cylinder, 34.0 mL of 0.114 mol L⁻¹ nitric acid, HNO₃(aq), is added to a flask containing 44.5 mL of 0.0556 mol L⁻¹ solution of calcium hydroxide, Ca(OH)₂(aq). Determine the pH of the final solution.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.