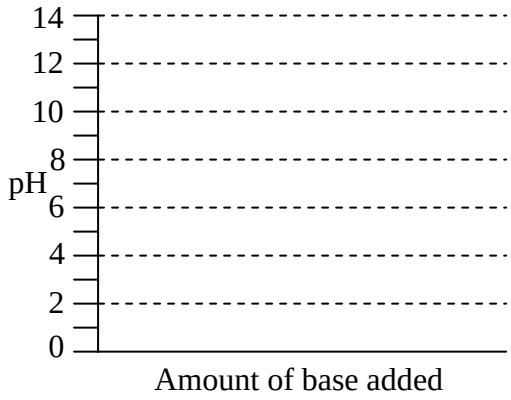
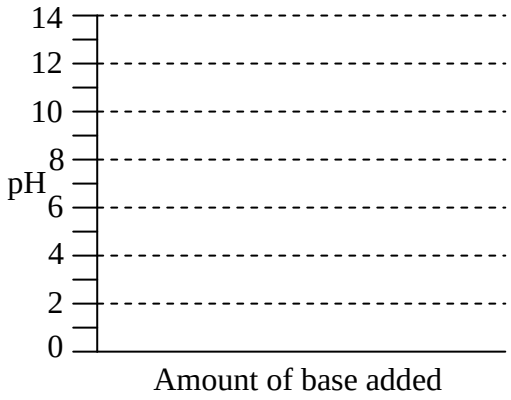
	Marks
• Above what concentration of H_3O^+ is a solution considered to be acidic at 25 °C?	**3**
Answer:	
At 95 °C the auto ionisation constant of water, K_w, is 45.7×10^{-14}. What is the pH of a neutral solution at 95 °C?	
pH =	

Marks

- The titration curves for a titration of a weak acid with a strong base and for a strong acid with a strong base are distinctly different. Draw a diagram for each case. **7**





List the main differences.

Explain these differences.

- What is the difference between the ‘end point’ and the ‘equivalence point’ in a titration. **2**