

7 Acids and bases – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

7.1 The hydrogen ion, H^+ .

7.2 (a) a salt and hydrogen \ (b) a salt, water and carbon dioxide.

7.3 (a) red \ (b) blue.

7.4 Green; this is neutral.

7.5 $\text{H}^+(\text{aq}) + \text{OH}^-(\text{aq}) \rightarrow \text{H}_2\text{O}(\text{l})$.

7.6 calcium carbonate + hydrochloric acid $\rightarrow$ calcium chloride + water + carbon dioxide.
The gas given off is carbon dioxide.