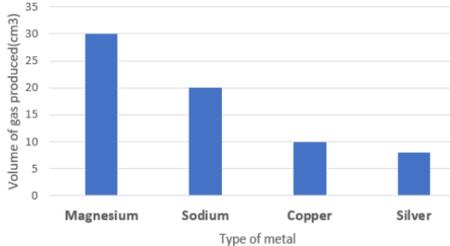


IDEAL – metal and acid practical

This example IDEAL sheet accompanies the article **Go slow for IDEAL learning outcomes** in *Education in Chemistry* which you can view at: rsc.li/4kkMdlB

I Identify the equipment required											
D Describe how to carry out the investigation											
E Explain the difference between a compound and a mixture											
A Analyse what the graph shows about the reaction between different metals with an acid	 <p>A bar chart with the y-axis labeled 'Volume of gas produced(cm³)' ranging from 0 to 35 in increments of 5. The x-axis is labeled 'Type of metal' and has four categories: Magnesium, Sodium, Copper, and Silver. The bars represent the following values: Magnesium (30), Sodium (20), Copper (10), and Silver (8).</p> <table border="1"><thead><tr><th>Type of metal</th><th>Volume of gas produced (cm³)</th></tr></thead><tbody><tr><td>Magnesium</td><td>30</td></tr><tr><td>Sodium</td><td>20</td></tr><tr><td>Copper</td><td>10</td></tr><tr><td>Silver</td><td>8</td></tr></tbody></table>	Type of metal	Volume of gas produced (cm³)	Magnesium	30	Sodium	20	Copper	10	Silver	8
Type of metal	Volume of gas produced (cm³)										
Magnesium	30										
Sodium	20										
Copper	10										
Silver	8										
L Link to exam questioning: Describe what is happening when an acid reacts with a metal (3 marks)											