

You can assess yourself on one strand: AF1.

	<b>AF1</b> <b>Thinking scientifically</b>
<b>5</b>	<p><i>To reach this level I could have:</i></p> <p><b>a</b> used an imaginary model to explain how acids and alkalis react, e.g. by comparing this to a shell hitting a target and both the shell and target being destroyed.</p> <p><b>b</b> used the equation for neutralisation to explain why antacids neutralise stomach acid.</p> <p><b>c</b> pointed out scientific questions that do not yet have answers, e.g. there are many possible causes of indigestion and we don't know what they all are yet.</p> <p><b>d</b> pointed out that antacids must be trialled before they can be sold, to find out if they are safe and effective.</p> <p style="text-align: right;"><input type="checkbox"/></p>

	<b>AF1</b> <b>Thinking scientifically</b>
<b>6</b>	<p><i>To reach this level I could have:</i></p> <p><b>a</b> explained how indigestion can be relieved by antacids.</p> <p><b>b</b> explained the strengths and weaknesses of the neutralisation equation in describing the reaction that occurs between stomach acid and antacids, e.g. it shows what happens but does not show how it happens.</p> <p><b>c</b> used some evidence from experiments that I have done in science or found out about to show that alkalis neutralise acids to produce a salt plus water.</p> <p><b>d</b> described how doctors or pharmacists would find out about new cures for indigestion.</p> <p style="text-align: right;"><input type="checkbox"/></p>

	<p><b>AF1</b> <b>Thinking scientifically</b></p>
7	<p><i>To reach this level I could have:</i></p> <p><b>a</b> identified links between the reactions of acid with the wall of the gullet and the reactions of the acid with antacids.</p> <p><b>b</b> decided how important different pieces of information I have found are when explaining the different causes of indigestion and whether to leave less important pieces of information out.</p> <p><b>c</b> explained some different pieces of evidence that can all be used to support the theory that acids react with bases to form salts and water.</p> <p><b>d</b> explained in detail how clinical trials are used to determine the effectiveness and safety of a new drug.</p> <p style="text-align: right;"><input type="checkbox"/></p>

	<p><b>AF1</b> <b>Thinking scientifically</b></p>
8	<p><i>To reach this level I could have:</i></p> <p><b>a</b> described in detail the role of acid in the process of digestion, how indigestion occurs and the role of antacids in relieving the symptoms of indigestion.</p> <p><b>b</b> used criteria to judge how good different pieces of evidence are at explaining in detail what happens in the neutralisation reaction between stomach acid and an antacid, e.g. where the information was from, how accurate it was, how reliable it was.</p> <p><b>c</b> explained how the development and testing of medicines has changed over time, including, for example, the use of blind trials and placebos.</p> <p style="text-align: right;"><input type="checkbox"/></p>