

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding	The important skills and concepts from each investigation are identified with limited accuracy.	The important skills and concepts from each investigation are identified with some accuracy.	The important skills and concepts from each investigation are identified with considerable accuracy.	The important skills and concepts from each investigation are identified with a high degree of accuracy.
Thinking and Investigation	<p>The hypothesis is formulated with limited accuracy.</p> <p>Executes a procedure controlling appropriate variables and using equipment and materials safely, accurately, with limited effectiveness.</p> <p>The theoretical mass of copper extracted is determined with limited accuracy.</p> <p>Identifies sources of error and proposes suggestions for improvements in limited detail.</p>	<p>The hypothesis is formulated with some accuracy.</p> <p>Executes a procedure controlling appropriate variables and using equipment and materials safely, accurately, with some effectiveness.</p> <p>The theoretical mass of copper extracted is determined with some accuracy.</p> <p>Identifies sources of error and proposes suggestions for improvements in some detail.</p>	<p>The hypothesis is formulated with considerable accuracy.</p> <p>Executes a procedure controlling appropriate variables and using equipment and materials safely, accurately, with considerable effectiveness.</p> <p>The theoretical mass of copper extracted is determined with considerable accuracy.</p> <p>Identifies sources of error and proposes suggestions for improvements in considerable detail.</p>	<p>The hypothesis is formulated with a high degree of accuracy.</p> <p>Executes a procedure controlling appropriate variables and using equipment and materials safely, accurately, with a high degree of effectiveness.</p> <p>The theoretical mass of copper extracted is determined with a high degree of accuracy.</p> <p>Identifies sources of error and proposes suggestions for improvements in thorough detail.</p>
Communication	<p>Data is organized using a format appropriate for audience and purpose with limited effectiveness.</p> <p>Communicates using appropriate scientific vocabulary with limited effectiveness.</p>	<p>Data is organized using a format appropriate for audience and purpose with some effectiveness.</p> <p>Communicates using appropriate scientific vocabulary with some effectiveness.</p>	<p>Data is organized using a format appropriate for audience and purpose with considerable effectiveness.</p> <p>Communicates using appropriate scientific vocabulary with considerable effectiveness.</p>	<p>Data is organized using a format appropriate for audience and purpose with a high degree of effectiveness.</p> <p>Communicates using appropriate scientific vocabulary with a high degree of effectiveness.</p>

