

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
<b>Knowledge and Understanding</b>	The cell cycle in plants, including a description of mitosis is described in limited detail.	The cell cycle in plants, including a description of mitosis is described in some detail.	The cell cycle in plants, including a description of mitosis is described in considerable detail.	The cell cycle in plants, including a description of mitosis is described in thorough detail.
<b>Thinking and Investigation</b>	<p>An appropriate procedure is described in limited detail.</p> <p>The number of cells required for scientific validity is identified with limited accuracy.</p> <p>The conclusion either confirms prior knowledge or describes possible reasons for discrepancies with limited effectiveness.</p> <p>The treatment of challenges is described in limited detail.</p>	<p>An appropriate procedure is described in some detail.</p> <p>The number of cells required for scientific validity is identified with some accuracy.</p> <p>The conclusion either confirms prior knowledge or describes possible reasons for discrepancies with some effectiveness.</p> <p>The treatment of challenges is described in some detail.</p>	<p>An appropriate procedure is described in considerable detail.</p> <p>The number of cells required for scientific validity is identified with considerable accuracy.</p> <p>The conclusion either confirms prior knowledge or describes possible reasons for discrepancies with considerable effectiveness.</p> <p>The treatment of challenges is described in considerable detail.</p>	<p>An appropriate procedure is described in thorough detail.</p> <p>The number of cells required for scientific validity is identified with a high degree of accuracy.</p> <p>The conclusion either confirms prior knowledge or describes possible reasons for discrepancies with a high degree of effectiveness.</p> <p>The treatment of challenges is described in thorough detail.</p>
<b>Communication</b>	<p>Data collected is organized with limited effectiveness.</p> <p>Data is displayed graphically with limited accuracy.</p>	<p>Data collected is organized with some effectiveness.</p> <p>Data is displayed graphically with some accuracy.</p>	<p>Data collected is organized with considerable effectiveness.</p> <p>Data is displayed graphically with considerable accuracy.</p>	<p>Data collected is organized with a high degree of effectiveness.</p> <p>Data is displayed graphically with a high degree of accuracy.</p>
<b>Application</b>	The practical benefits of knowing the relative times of the phases of mitosis are described in limited detail.	The practical benefits of knowing the relative times of the phases of mitosis are described in some detail.	The practical benefits of knowing the relative times of the phases of mitosis are described in considerable detail.	The practical benefits of knowing the relative times of the phases of mitosis are described in thorough detail.

