

Investigating Cell Structure and Function Rubric:

Criteria	Excellent (5)	Proficient (4)	Basic (3)	Limited (2)	Inadequate (1)
Understanding of Structure and Function	Student demonstrates an exceptional understanding of the relationship between cell structure and function, highlighting how structural features contribute to cellular processes.	Student shows a solid understanding of the connection between cell structure and function, articulating how structural elements influence cellular activities.	Student has a basic understanding of the interplay between cell structure and function but may lack some depth in explaining specific relationships.	Student's understanding of the relationship between cell structure and function is limited, with minimal explanation of connections.	Student lacks a clear understanding of how cell structure and function are intertwined, providing little to no explanation.
Obtaining Information	Student employs advanced research skills to gather a comprehensive and relevant set of data from credible sources, demonstrating a high level of proficiency in obtaining information.	Student effectively gathers sufficient and relevant data from credible sources, showcasing proficiency in obtaining information.	Student collects some data from varied sources, but there may be gaps or inconsistencies in the information obtained.	Student's data collection is minimal, with significant gaps or inconsistencies, indicating limited proficiency in obtaining information.	The student fails to collect any meaningful data or relies on unreliable sources.
Evaluating Information	Student critically evaluates information, demonstrating a sophisticated ability to assess the reliability, validity, and relevance of data in supporting claims and conclusions.	Student effectively evaluates information, demonstrating a solid ability to assess the reliability, validity, and relevance of data in supporting claims and conclusions.	Student somewhat evaluates information, but there may be some limitations or inconsistencies in the assessment of data.	Student's evaluation of information is limited or inaccurate, with notable flaws in assessing the reliability, validity, and relevance of data.	The student does not effectively evaluate information, leading to unsupported claims and conclusions.
Communicating Information	The student presents information with exceptional clarity, organization, and engagement, effectively using visuals and scientific language to communicate findings.	The presentation is clear and organized, with good visuals and appropriate scientific language, effectively communicating information.	The presentation is somewhat clear and organized, with basic visuals and scientific language used to communicate information.	The presentation is unclear or disorganized, with minimal visuals and scientific language, hindering effective communication.	The presentation is incoherent or absent, preventing communication of information.

<p>Application of Cross-Cutting Concept</p>	<p>Student seamlessly integrates the cross-cutting concept of structure and function throughout the investigation, demonstrating a sophisticated understanding of how this concept applies to cellular phenomena.</p>	<p>The student effectively incorporates the cross-cutting concept of structure and function, demonstrating a solid understanding of how structural features influence cellular processes.</p>	<p>The student incorporates the cross-cutting concept of structure and function, but there may be gaps or inconsistencies in applying this concept to cellular phenomena.</p>	<p>The student's application of the cross-cutting concept of structure and function is limited or inaccurate, with notable shortcomings in connecting structural features to cellular processes.</p>	<p>The student does not effectively apply the cross-cutting concept of structure and function, resulting in a lack of connection between structural features and cellular processes.</p>
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