PEAT

Structure, Function, and Information Processing

Part I: Conduct an Investigation and Evaluate Its Effectiveness (MS-LS1-1)
Responses to the questions reflect an accurate evaluation of the effectiveness of the investigation.

1	2	3	4
The student is not able to evaluate the investigation, or the evaluation is seriously flawed.	The student is able to evaluate the investigation. Some parts of the evaluation are flawed.	The student accurately evaluates the investigation. If errors occur, they are minor.	The student is able to generate an accurate evaluation of the investigation without errors.

Part II: Develop a Model (MS-LS1-2)
The model should describe the function of an individual cell as a whole and the ways that the smaller parts of the cell contribute to the function by addressing the listed criteria.

1	2	3	4
The model seems unrelated to the purpose of the assignment.	The model is related to the purpose of the assignment but may lack an important component or include components that are unnecessary.	The model addresses the major components of the purpose of the assignment. It may fail, slightly, to address minor issues.	The model clearly and fully addresses all components of the purpose.

Part III: Support an Argument (MS-LS1-3)
The claim that the body is a system of interacting subsystems composed of groups of cells is clearly supported by evidence from the model developed in Part II.

1	2	3	4
The evidence is not valid and/or accurate. The evidence is not relevant to the argument.	The evidence lacks either accuracy and/or validity or is not relevant to the argument.	The evidence is mostly accurate and valid. It is mostly relevant to the argument.	The evidence is highly accurate and valid. It is very relevant to the argument.

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Part IV: Gather and Synthesize Information (MS-LS1-8)
The written summary demonstrates that the student is able to gather and synthesize information about how sensory receptors respond to stimuli.

1	2	3	4
The summary fails to address the listed points.	The summary attempts to address the listed points but is unsuccessful.	The summary does a decent job of addressing the listed points.	The summary does a very good job of addressing the listed points.