

	Diagram	Written Analysis	Mechanics and Conventions
	<i>The extent to which the model and written analysis incorporate the required elements, effectively complete the task, and show understanding of the purpose and audience</i>	<i>The extent to which the written analysis fully develops ideas, utilizing specific and relevant facts, descriptions, discussions, explanations, and data</i>	<i>The extent to which the written analysis of the model demonstrates knowledge of grammar and conventions, including vocabulary usage, punctuation, and spelling</i>
<b>Weight</b>	<b>30</b>	<b>60</b>	<b>10</b>
<b>6</b>	<b>Very Effective</b> Demonstrates a thorough understanding of the task; completes all parts in an accurate manner; may go beyond the limits of the task. Diagram includes four or more steps, and is labeled and accurate.	<b>Very Effective</b> Includes accurate and detailed description of the relationship between the drug and the signal transduction pathway. All components and ideas show strong content knowledge and reasoning.	<b>Very Effective</b> Contains few or no errors in grammar, vocabulary, spelling, and punctuation
<b>5</b>	<b>Good</b> Demonstrates a general understanding of the task; completes all parts of the task. Diagram includes four or more steps, and is labeled and accurate.	<b>Good</b> Includes an accurate description of the relationship between the drug and the signal transduction pathway. All components show appropriate content knowledge and reasoning.	<b>Good</b> Contains a few errors in grammar, vocabulary, spelling, or punctuation that do not interfere with ideas and meaning
<b>4</b>	<b>Adequate</b> Demonstrates a basic understanding of the task; completes most parts of the task; may be missing a few elements. Diagram includes four or more steps, but some diagram labels may be inaccurate.	<b>Adequate</b> Includes a mostly-accurate description of the relationship between the drug and the signal transduction pathway. Some components may contain minor inaccuracies and connections may not have strong connections. Shows adequate content knowledge.	<b>Adequate</b> Contains some errors in grammar, vocabulary, spelling, or punctuation that do not significantly interfere with ideas and meaning
<b>3</b>	<b>Limited</b> Demonstrates little understanding of the task; completes most parts of the task; missing some elements. Diagram includes three or more steps, but labels are missing or inaccurate.	<b>Limited</b> Is missing one or two components, but has a description of the stages of signal transduction and attempts a prediction. Shows limited content knowledge.	<b>Limited</b> Contains several significant errors in grammar, vocabulary, spelling, or punctuation that occasionally interfere with ideas and meaning
<b>2</b>	<b>Minimal</b> Demonstrates minimal understanding of the task; completes less than half the task. Diagram has two or more steps, and labels are missing or inaccurate.	<b>Minimal</b> Is missing several components and has incomplete descriptions of how the pathway or drug works. Shows minimal content knowledge.	<b>Minimal</b> Contains many significant errors in grammar, vocabulary, spelling, or punctuation that substantially interfere with ideas and meaning
<b>1</b>	<b>Inadequate</b> Demonstrates no understanding of the task; completes very few parts of the task. Diagram does not include steps, and labels are missing or inaccurate.	<b>Inadequate</b> Is missing several components, fails to develop and connect ideas, needs significant work on the pathway and how the drug works.	<b>Inadequate</b> Contains considerable errors in grammar, vocabulary, spelling, or punctuation that make understanding ideas difficult