

Modeling Asexual and Sexual Reproduction Rubric



	Creation of Asexual Reproduction Model	Creation of Sexual Reproduction and Fertilization Models	Completeness and Accuracy of Student Worksheet	Language and Conventions Used in Student Worksheet	Participation
	<i>The extent to which the student correctly diagramed the phases of asexual reproduction</i>	<i>The extent to which the student correctly diagramed sexual reproduction and fertilization</i>	<i>The extent to which the Student Worksheet and essay are complete and accurate</i>	<i>The extent to which wording, grammar, punctuation, and spelling are used correctly</i>	<i>The extent to which the student is engaged in the project and uses time efficiently</i>
Weight	20	25	30	10	15
6	Very Effective Student correctly illustrated 6 steps ¹ . For each step, student provided a label and showed 4 chromosomes—2 of one color and 2 of another color.	Very Effective Student correctly illustrated 12 steps ² . Student labeled each step and included the correct number and color of chromosomes in each step.	Very Effective All Student Worksheet components are complete and accurate (4 summary questions and Essay).	Very Effective Student demonstrates proper word choice. There are no errors in grammar, punctuation, and spelling.	Very Effective Student is engaged in the project and is very self-directed. Efficiently uses time well throughout the project. Project is completed on time.
5	Good Student correctly illustrated 5 steps. For each step, student provided a label and showed 4 chromosomes—2 of one color and 2 of another color.	Good Student correctly illustrated 10 or 11 steps. Student labeled each step and included the correct number and color of chromosomes in each step.	Good Student completed at least 4 of the 5 components, and the work submitted is mostly accurate.	Good Student demonstrates good word choice. The few errors in conventions do not significantly interfere with communication of content.	Good Student is engaged in the project, but does not always use time well and sometimes needs redirection. Project is completed on time.
4	Adequate Student correctly illustrated 4 steps. For each step, student provided a label and showed 4 chromosomes—2 of one color and 2 of another color.	Adequate Student correctly illustrated 8 or 9 steps. Student labeled each step and included the correct number and color of chromosomes in each step.	Adequate Student completed at least 3 of the 5 components, but some of the work submitted is incomplete or inaccurate.	Adequate Student demonstrates adequate word choice. There are errors in conventions but they minimally interfere with communication of content.	Adequate Student is engaged in the project, but does not make efficient use of time. Students requires several prompts to refocus. Project is completed on time.
3	Limited Student correctly illustrated 3 steps. For each step, student provided a label and showed 4 chromosomes—2 of one color and 2 of another color.	Limited Student correctly illustrated 6 or 7 steps. Student labeled each step and included the correct number and color of chromosomes in each step.	Limited Student completed at least 2 of the 5 components, but the majority of the work submitted is not comprehensive.	Limited Student demonstrates simple word choice. The errors in conventions may interfere with communication of content.	Limited Student is occasionally distracted and does not complete the project on time.
2	Minimal Student correctly illustrated 2 steps. For each step, student provided a label and showed 4 chromosomes—2 of one color and 2 of another color.	Minimal Student correctly illustrated 4 or 5 steps. Student labeled each step and included the correct number and color of chromosomes in each step.	Minimal Student completed only one required component, and with minimal effort.	Minimal Student demonstrates simple word choice. The numerous errors in conventions interfere with communication of content.	Minimal Student is often distracted and does not complete the project on time.
1	Inadequate Student correctly illustrated 1 step. For each step, student provided a label and showed 4 chromosomes—2 of one color and 2 of another color.	Inadequate Student correctly illustrated 1–3 steps. Student labeled each step and included the correct number and color of chromosomes in each step.	Inadequate Student completed none of the required components, and with poor effort.	Inadequate Student demonstrates poor word choice. The severe errors in conventions significantly interfere with communication of content.	Inadequate Student is not engaged and does not complete the project.

¹ Interphase, Prophase, Metaphase, Anaphase, Telophase, Cytokinesis

² Interphase, Prophase I, Metaphase I, Anaphase I, Telophase I, Cytokinesis, Prophase II, Metaphase II, Anaphase II, Telophase II, Cytokinesis, Fertilization