

Assessment Rubric

Bio 2.3 Develop and use a model to illustrate the cycling of <u>matter</u> and flow of <u>energy</u> through living things by the processes of photosynthesis and cellular respiration. Emphasize how the products of one reaction are the reactants of the other and how the energy transfers in these reactions. (PS3.D, LS1.C, LS2.B)		
Science and Engineering Practice: Develop and Use a model	Disciplinary Core Idea: Photosynthesis & C.R.	Crosscutting Concept: Energy and Matter

4 Advanced	3 Proficient	2 Approaching Proficiency	1 Beginning Proficiency
I can: Develop and use a model based on evidence that illustrates both the cycling of matter and the flow of energy between organisms through the processes of photosynthesis and cellular respiration. AND Use the model to predict how a change in the amount of available matter and/or energy might impact the system.	I can: Develop and use a model based on evidence that illustrates both the cycling of matter and the flow of energy between organisms through the processes of photosynthesis and cellular respiration.	I can: Develop and use a model that illustrates the cycling of matter and/or the flow of energy between organisms through the processes of photosynthesis and/or cellular respiration.	I can: Use a model to show the role of <i>matter or energy</i> in photosynthesis and/or cellular respiration.