

Self – Assessment: Unit 2: Matter & Energy in Organisms and Ecosystems
Photosynthesis and Cellular Respiration (chap 6 & 7)

Before the summative assessment (the test), I would like to do a quick temperature check on your understanding of carbon cycle (i.e. process of photosynthesis & cellular respiration). Answer honestly and add details as needed so I can better assist you. Please refer to the result of your photosynthesis/cellular respiration quiz result to help you with the self-assessment.

Where is your learning at?

Mastery (Green Light) – I can explain the concept to another student in class.

Intermediate (Yellow Light) – I know it but it will be hard for me to teach another person because I am not clear on certain parts. I will leave a comment regarding what is still unclear.

Novice (Red Light) – I am lost. I cannot explain the concept at all. I will leave a comment.

#	I am able to	M	I	N
HS-LS1-5.	Use a model to illustrate how photosynthesis transforms light energy into stored chemical energy. (Science Takeout)			
HS-LS1-6.	Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules. (include model of biogeochemical Cycle)			
HS-LS1-7.	Use a model to illustrate that cellular respiration is a chemical process whereby the bonds of food molecules and oxygen molecules are broken and the bonds in new compounds are formed resulting in a net transfer of energy.			
HS-LS2-3.	Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions (in cellular respiration).			
HS-LS2-4.	Use mathematical representations to support claims for the cycling of matter and flow of energy among organisms in an ecosystem. (trophic level energy transfer)			
HS-LS2-5.	Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon among the biosphere, atmosphere, hydrosphere, and geosphere. (Cycling of carbon)			

Comments:

Teacher Action: _____

Formative Quiz Score: _____ % Summative Exam Score: _____ %