

Wright City High School Biology Curriculum

9-12 (10th grade EOC)

UNIT 1

Grade	10
Unit of Study	Characteristics of Life & Macromolecules
Length of Unit	3 weeks
Sample Essential Questions	Sample Corresponding Big Ideas
How do the structures of organisms—from the molecular to the cellular level—enable life's essential functions?	How the structure and function of molecules and cells helps organisms survive

Missouri Learning Standards	
<u>Biology Power Standards</u>	Supporting Standards
Power Standard 1: I can observe and compare cell structures and the processes essential for the survival of the cell/organism.	LS1.C.3 LS1.A.2 & LS1.A.3

Unit 1 Sequence			
MLS	Topic(s)	Learning Targets	Academic Vocabulary
LS1.C.3	Macromolecules, Nutrients, & Energy	I can identify or recognize an explanation of macromolecule composition.	Composition Macromolecule Polymer Monomer Elements Lipid Carbohydrate Nucleic Acid Protein

Unit 1 Sequence Continued			
MLS	Topic(s)	Learning Targets	Academic Vocabulary
LS1.A.2	Organization	I can explain how the building blocks of an organism work together to aid in survival	Organism Cell Tissue Organ Organ System
LS1.A.3	Homeostasis	I can describe the phenomenon (based on observations) that life functions rely upon homeostasis.	Homeostasis Phenomenon Stimulus Response to stimulus

MLS	Learning Activities	
LS1.C.3	MacroCubes	Must Do ▾
LS1.C.3	Meal Lab	Must Do ▾
LS1.C.3	Breaking the Bonds (Energy Activity)	Must Do ▾
LS1.A.2	Living or NonLiving Lab & Answers/Reasoning	Must Do ▾
LS1.A.3	Owen Disease Research	Must Do ▾

Assessments		
MLS	Description or Location	Rubric/Location
LS1.C.3 LS1.A.2 LS1.A.3	Unit 1 Quest	Pear Assessment
LS1.C.3 LS1.A.2 LS1.A.3	Owen Claim Evidence Reasoning	Paper

Additional Resources
Quizizz.com , Blooket.com , Quizlet.com , Openstax.org