

Edmore Public School
706 Main St, Edmore, ND 58330

Life Science Lesson Plan

Dates:

December 4 - 8, 2023

Time and Period:

12:42 - 1:34 PM, Fifth Period

Performance Standard:

MS-LS1-6

Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.

MS-LS3-7

Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as it moves through an organism.

MS-LS2-3

Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Monday, December 4

Topic	Matter in Organisms, pp. 6 - 9
Objectives	Examine models to understand the organism of matter.
Bell Ringer	Differentiate between <i>Element and Compound</i>
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Illustrations, Hands - on / Laboratory Activity
Assessment	Matter in Organisms, pp. 6 - 9

Tuesday, December 5

Topic	Analyzing Chemistry of Cells, pp. 26 - 28
Objectives	Use models to explain how organisms get matter and energy from chemical processes.
Bell Ringer	Define <i>Chemical Reaction</i>
Procedure / Instructional Delivery	Interactive Discussion, Simulation, Illustrations, Hands - on / Laboratory Activity
Assessment	Analyzing Chemistry of Cells, pp. 26 - 28

Wednesday, December 6

Topic	Photosynthesis, pp. 29 - 31
Objectives	Use a model to visualize the reactants and products of photosynthesis.
Bell Ringer	Differentiate <i>reactants and products</i>
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Photosynthesis, pp. 29 - 31 Unit Project Work Period

Thursday, December 7

Topic	Cellular Respiration, pp. 34 - 36
Objectives	Describe the chemical reaction for cellular respiration.
Bell Ringer	Define <i>cellular respiration</i> .
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Laboratory Activity on Photosynthesis

Friday, December 8

Topic	Review Quiz pp. 17 and 18 Project Work Period
Objectives	Use a model organism to explore matter and energy flow in organisms.
Bell Ringer	Give two genetic and environmental factors that affect the growth of your organism.
Procedure / Instructional Delivery	Interactive Discussion, Video, Illustrations, Simulations, Hands - on / Laboratory Activity
Assessment	Review Quiz pp. 17 and 18 Project Work Period