

Standing Requirements

## SLO/Performance Indicator

### Biology Department Outcome Set

1.

The student will be able to explain the biology of the cell.

Performance Indicator	Mapping
1a. Compare and contrast prokaryotic and eukaryotic cells.	Lakeland Learning Outcomes: 11, 5, 6a, 6b, 7
1b. Identify organelles and their functional significance.	Lakeland Learning Outcomes: 11, 4, 5, 6a, 6b, 7
1c. Describe membrane structure and functions.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 4, 5, 6a, 6b, 7
1d. Describe how ATP is produced.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 4, 5, 6a, 6b, 7
1e. Describe the eukaryotic cell cycle.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 4, 5, 6a, 6b, 7
1f. Describe the sequential process of eukaryotic cell division.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 4, 5, 6a, 6b, 7
1g. Explain the steps of transcription and translation.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 4, 5, 6a, 6b, 7
1h. Describe protein structure and function.	Lakeland Learning Outcomes: 10, 11, 12, 12b, 4, 5, 6a, 6b, 7

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