Biochemistry of Biomolecules

- 1. Understand the basic structure and function of carbohydrates, amino acids, peptides, and nucleic acids at a foundational level (Knowledge)
- 2. Apply knowledge of separation techniques for amino acids to isolate and characterize different amino acids (Comprehension)
- 3. Analyze the structure and function of conjugated proteins, fibrous proteins, storage lipids, and structural lipids in biological systems (Analysis)
- 4. Evaluate the role of nucleic acids in genetic information storage and expression, specifically focusing on the structure of RNA (Evaluation)
- 5. Create connections between the biochemistry of biomolecules and their roles in biological processes, emphasizing the importance of carbohydrates, amino acids, peptides, and nucleic acids in cellular function (Synthesis)

