

StarBiochem Problem Sets

Exercises that focus on protein structure basics only:

[Lysozyme Exercise](#)

Exercises that focus on protein structure basics and structure function relationships:

[Aquaporin Exercise](#)

[Phosphofructokinase \(PFK\) Exercise](#)

[Ras and Cell Signaling Exercise](#)

Exercises that focus on protein structure basics, structure function relationships & the implication of these relationships on disease:

[Amyloid & Alzheimer's Disease Exercise](#)

[Hemoglobin & Sickle Cell Anemia Exercise](#)

[Phenylalanine hydroxylase & PKU Disorder Exercise](#)

Exercises that focus on protein structure basics and protein evolution:

[DNA Glycosylase \(DNA repair protein\)](#)

Exercises that explore the relationship between the DNA sequence of a protein and its resulting amino acid sequence utilizing both StarBiochem & StarORF tools:

[Green Fluorescent Protein \(GFP\) Exercise](#)

Online guided inquiry activity using hemoglobin:

[Guided Inquiry Tutorial](#)

For reference:

[User Guide Manual](#)

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