



General, Organic, and Biochemistry (GOB)

Study the fundamentals of general, organic, and biochemistry.

GOB Chemistry combines the fundamentals of general, organic, and biochemistry, offering more than 30 lessons full of tactile experiments that students can conduct in their own home. Our experiment catalogue is ideal for non-chemistry majors and students majoring in health sciences. These lessons help students meet the requirements for pre-nursing and other allied health professions.

Semester 1 Lessons - LP-3200-GB-01

Observation of Chemical Changes	Using Buffers
Equilibrium and Le Chatelier's Principle	Oxidation-Reduction Activity Series
Titration of Acetic Acid	Anions, Cations, and Ionic Reactions
Colligative Properties and Osmotic Pressure	Naming Ionic and Molecular Compounds
The Mole: Conversions, Mass Determination, and Hydrates	Molecular Modeling and Lewis Dot Structures
Identification of Gases	Laboratory Techniques and Measurements

Semester 2 Lessons - LP-3201-GB-01

Extraction of DNA	Stereochemistry 2: Stereoisomerism
Enzymes: Temp, pH, and Specificity	Stereochemistry 1: Structural Isomerism
Synthesis and Analysis of Soap	Synthesis of Fragrant Esters
Metabolism of Polysaccharides and Anaerobic Fermentation	Hydrolysis of Acetylsalicylic Acid
Macromolecules of Life and Amino Acids	Properties of Alcohols
Macromolecules of Life and Monosaccharides and Polysaccharides	Drawing Organic Compounds

Additional Lessons

Calculating Carbohydrate Content	Chromatography of Food Dyes
Reaction Order and Rate Laws	Stoichiometry of a Precipitation Reaction
Melting Point	Separation of a Mixture of Solids
Math and Graphing Prep	Caloric Content of Food



Redefining Online Lab Science