



# Organic Chemistry

Explore the components of life by analyzing organic compounds and molecules.

With Science Interactive's Organic Chemistry curriculum, students will explore the components of life itself through the analysis of organic compounds and molecules. Chemicals are delivered in microscale quantities for safe use at home with minimal waste, and the included experiments teach students the techniques they'll need to know to complete their chemistry training. Each lesson includes rigorous procedures, exploration content, and evaluations to ensure your students not only complete the experiment, but understand and can apply its concepts.

## Standard Kit Lessons - LP-4500-OC-01

Solubility of Compounds	Infrared Spectroscopy
Polymers	Melting Point
Isolation and Purification of Caffeine	Synthesis and Analysis of Soap
Green Chemistry and Le Châtelier's Principle	Stereochemistry 1: Structural Isomerism
Column Chromatography to Separate Dyes and Analysis by a Colorimeter	Drawing Organic Compounds
Nuclear Magnetic Resonance	Stereochemistry 2: Stereoisomerism

## Additional Lessons

Synthesis of Fragrant Esters - GOB	Properties and Reactions of Alcohols -ORG
Chromatography of Food Dyes -GOB	Hydrolysis of Acetylsalicylic Acid -GOB
Macromolecules of Life - Monosaccharides and Polysaccharides -GOB	



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