

Core: Organic Chemistry

A video textbook that explains basic concepts of stereochemistry, reactions, and mechanisms through concise and easy-to-understand animated video lessons. Additionally, the scientist-in-action videos demonstrate related concepts in experiments performed in laboratories globally.

141

animated lessons

33

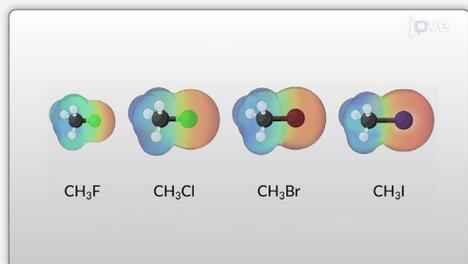
scientist-in-action videos

11

chapters

Students like it because...

- **Animations** help illustrate key concepts.
- **Closed Captions** allow for easy capture of all details.
- **Video Speed Regulation** provides greater control over the learning process.



High-Impact Animations clearly help visualize scientific concepts that are often difficult to understand using text alone.



Scientist-in-Action Videos bridge the gap between scientific theory and its real-world applications.

Instructors like it because...

- **Short Videos** keep students engaged.
- **'Embed', 'Share' and 'Add to Favorites' Buttons** allow easy content integration into a Learning Management System, sharing it on social media and saving videos to your favorites on www.jove.com.
- **'Create Quiz'** button allows creating tests with predefined sets of assessment questions.
- **Video Transcripts** support text-based learning.
- **Accompanied Reading Material along with the Suggested Reading** enable deeper concept comprehension.

JoVE Core: Organic Chemistry covers: Covalent Bonding and Structure [15 videos] | Thermodynamics and Chemical Kinetics [12 videos] | Alkanes and Cycloalkanes [14 videos] | Stereoisomerism [12 videos] | Acids and Bases [7 videos] | Nucleophilic Substitution and Elimination Reactions of Alkyl Halides [21 videos] | and more...

Cover the foundations of scientific discovery

With comprehensive coverage of introductory content, JoVE Core: Organic Chemistry videos enable quick, in-depth understanding of complex science topics and improve student learning outcomes.

Facilitate success in in-person, flipped, and virtual classrooms

No matter the class format, 30+ minutes of lesson planning can be saved, allowing for more time spent on instruction. JoVE Core: Organic Chemistry videos can be used in teaching with online learning platforms such as Zoom, Microsoft Teams, Google Classroom, and embedded in the most common learning management systems.

Use as an effective primary or supplementary teaching resource

When used in place of a traditional textbook, JoVE Core: Organic Chemistry empowers students to move beyond memorization into understanding. Also used as dynamic supplements, the videos work well paired with other resources and textbooks.



"I found [JoVE Core] videos very helpful in explaining experiments and new concepts to the students as the ability to visualize concepts using videos greatly aid in the student's understanding. It also allowed students to revisit these concepts if they didn't grasp it the first time during class."

—Nicolette Wright
First Technical Assistant
University of Pretoria, South Africa