

# Zosimos

## **New educational experience with built-in chemical intelligence**

The vision of Zosimos is to help chemistry and biochemistry classes to improve their knowledge through interactive quiz creation, assessments, learning material publishing, searching and automated evaluation to save time for teachers.

ChemAxon provides a low cost open cloud-based learning community to enhance classroom collaboration and increase the effectiveness of learning. Zosimos takes away the headache of software installation and we provide a ready to use service for classes with a need for chemistry or biochemistry teaching.



## Create a private study group

Invite students to your private study group and assign study sets to them easily. If you have students and friends to invite, you can share the join link we've generated for your study group. After a simple link share the study group starts practicing and testing the fundamentals of general, organic, and biological chemistry concepts like compounds, bonding, reactions, nomenclature...

<https://zosimos.io/list-studygroups>

## Create a chemistry study set and share

Create study sets for your study group and start a practice session with them. You can provide professional drawings of chemical structures in the quizzes and define the evaluation criteria of the answers. Study set creators may offer their learning material to the public. This way creators support equal opportunities and give access to knowledge to more and more students.

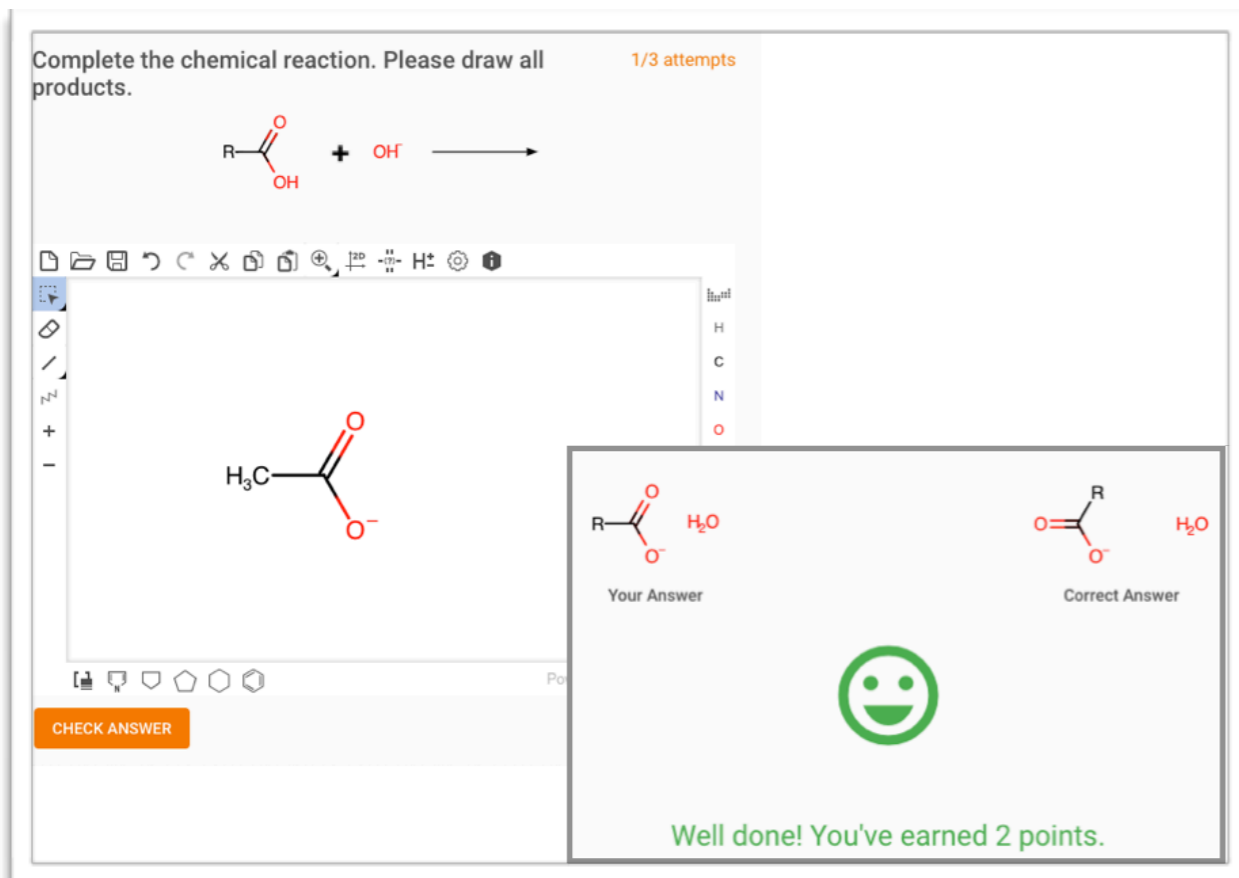
<https://zosimos.io/list-studysets>

The screenshot displays three study groups created by Erika Biro. Each group card includes the creator's name, the group title, the number of students, and the number of study sets. A large orange button labeled 'Create Study Group' is positioned to the left of the third group card.

- Group 1:** Erika Biro, "Fundamentals of General, Organic, and Biological Chemistry, 2018", 8 students, 9 study sets.
- Group 2:** Erika Biro, "Természetes szénvegyületek biológusoknak, 2018-2019", 11 students, 9 study sets.
- Group 3:** Erika Biro, "General introductory chemistry, 2018/2019", 0 students, 9 study sets.

The screenshot shows the chemistry drawing interface. On the left, a sidebar contains the text "Adding structure" and "Complete the chemical reaction. Please draw all products." Below this is a chemical reaction:  $\text{R}-\text{C}(=\text{O})\text{OH} + \text{OH}^- \longrightarrow$ . At the bottom of the sidebar are "CANCEL" and "SAVE" buttons. The main drawing area contains a skeletal structure of a carboxylate group ( $\text{R}-\text{C}(=\text{O})\text{O}^-$ ) and the chemical formula  $\text{H}_2\text{O}$ . A vertical element palette on the right lists H, C, N, O, S, F, P, Cl, Br, and I. The interface is powered by ChemAxon.

Complete the chemical reaction. Please draw all products. 1/3 attempts

$$\text{R}-\text{C}(=\text{O})\text{OH} + \text{OH}^- \longrightarrow$$


Well done! You've earned 2 points.

## Practice on a study set and get more skilled

Students can practice on study sets created by their own teachers or on study sets found by searching the study sets shared by other creators. Students practice on their own and receive an immediate evaluation of their quizzes. They can track the progress and practice as much as they need.

<https://zosimos.io/list-studysets>

STUDY GROUP: Fundamentals of General, Organic, and Biological Chemistry, 2018 JOIN LINK: <https://zosimos.io/see-a-studygroup/5>

STUDY GROUP    STUDY SETS    **SUBMISSIONS**

Chemistry challenge	SUBMITTED BY	LEVEL	COMPLETED AT	EXERCISES	Score
Chemistry challenge	Ákos Kovács	Easy	2018-11-30 12:55	5	86%
Chemistry challenge	Máté Szabó	Easy	2018-11-30 10:07	5	100%
Chemistry challenge	Viktória Kiss	Easy	2018-11-30 09:43	5	100%
Chemistry challenge <span style="background-color: #f0f0f0;">IN PROGRESS</span>	Erika Biró	Easy	2018-11-29 21:23	5	80%
Chemistry challenge	Anna Nagy	Easy	2018-11-29 16:18	5	100%

## Automated evaluation and progress feedback

Evaluate tests & homework. Automated evaluation saves time - and what's more, statistics on the progress of students is collected and visualised to the instructor. This helps to prepare for the next lesson!

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