

Zosimos provides continuous chemistry learning

- Educators can create, re-use and share new educational material for practicing and assessing knowledge.
- Chemistry and biochemistry teachers can boost their students' skills and confidence with hands-on practice.
- Mastering chemistry is a lifelong challenge for those working in the field of academia and industry. After university, expert knowledge should be further maintained and improved with interactive training.

Create your own content for online education with Zosimos

Zosimos is an online chemistry education solution for academia

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Question
Lactic acid is an organic acid. It has a molecular formula $\text{CH}_3\text{CH}(\text{OH})\text{CO}_2\text{H}$. It is white in solid-state and it is miscible with water. Draw the structural formula of lactic acid.

Answer

Question
Modify lactic acid to lactate.

Answer

Try out

Teaching chemistry concepts with drawing structures

Drawing chemical structures and reactions is essential for teaching chemistry concepts and for assessing knowledge.

Easy to use, Zosimos helps educators and students quickly evaluate classroom understanding.

Try it out by scanning the QR Code and drawing your answer to this peptide synthesis question!

Development and sharing of content

With the Zosimos online educational framework, you can create and publish your own content to share with your class – or even the world!

Shared content from other educators can be easily reused, making quiz preparation easy.

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Question
Use the wedged-solid-dashed bonds to draw the two enantiomers of alanine ($\text{C}_3\text{H}_7\text{NO}_2$).

Answer

Try out

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Question
Sulfur hexafluoride (SF_6) is an inorganic, colorless, odorless, non-flammable, non-toxic extremely potent greenhouse gas, and an excellent electrical insulator. SF_6 has an octahedral geometry, consisting of six fluorine atoms attached to a central sulfur atom.

What is the smallest bond angle in the structure?
Please answer in degrees ($^\circ$).

Answer
90

Try out


<https://zosimos.io>

Do you know who Zosimos was?

Zosimos of Panapolis was an Egyptian alchemist around the 4th century AD. He wrote the oldest known books on alchemy which he called "Cheirometa" using the Greek word for "things made by hand."

Image: An alchemist at his furnace, hunched over bellows. Coloured mezzotint after D. Teniers the younger. Credit: Wellcome Collection. CC BY



Abstract:

Zosimos is an open cloud-based learning hub, designed to enhance classroom collaboration and allow for interactive learning. It offers a framework where universities and professors can create + share learning sets amongst one another and students.

Zosimos supports several disciplines, including general, organic, physical, nuclear, and polymer chemistry, as well as biochemistry and related fields. The dynamic tool contains ChemAxon's professional chemistry search, calculations, drawing and visualization capabilities.



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