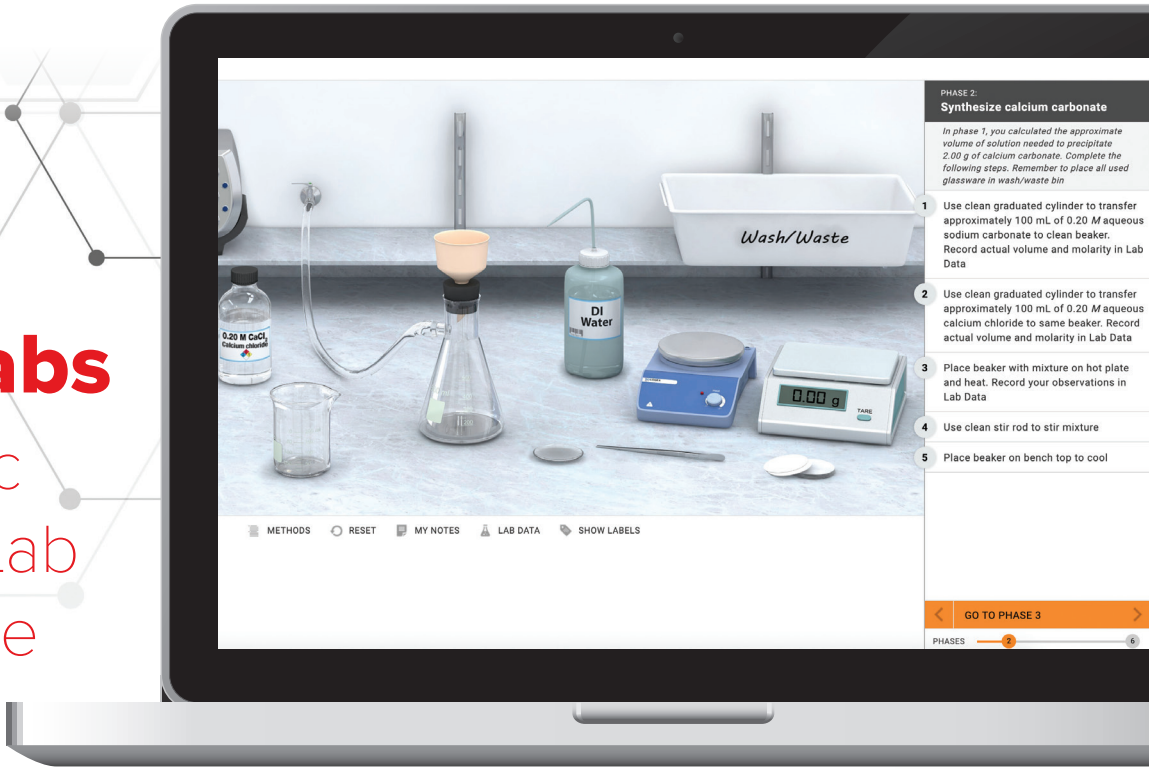
Because learning changes everything®

Virtual Labs

A Realistic Simulated Lab Experience



Introducing the new Connect® Virtual Labs! Your students will be better prepared for lab, more efficient, and retain more of the fundamental skills necessary for a successful laboratory experience.

Virtual Labs is a fully online lab solution that can be used as an online lab replacement, preparation, supplement or make-up lab to bridge the gap between lab and lecture. These simulations help a student learn the practical and conceptual skills needed, then check for understanding and provide feedback.

Available 24/7– even if the lab space isn't!

Built with accessibility in mind.

Easy-to-follow on-screen instructions.

Student progress is automatically saved.

Visible progress bar.

For more information, please contact your Account Manager or visit:
https://www.mheducation.ca/support-contact/contact-your-lsc-virtual-labs

List of Connect® Virtual Labs Available for Chemistry

Virtual Labs Recommended* for Chemistry Available Summer 2020

73 Total Labs Currently Available!

Metric Measurement:
- Length
- Weight
- Volume
- Temperature

Diffusion:
- Effect of Molecular eight of Diffusion in Ai

Chemical Composition of Cells:
- Test for Starch
- Test for Sugars
- Test for Fat
- Test for Proteins

How Enzymes Function:
- Effect of emperature
- Enzyme Activity
- Effect of p
- Effect of Concentratio

Osmosis:
- Movement of Water Across a Selective Permeable Membrane
- Tonicity in Red Blood Cells

Lab Safety:
- Hand Washing Procedure
- Personal Safety

Virtual Labs for Chemistry Released Throughout Fall 2020

Density:
- Determine Density of a Plastic Cube (Available)

Stoichiometry:
- Synthesis of Calcium Carbonate (Available)

Reactions in Solution:
- Reactions in Solution (Available)

Calorimetry:
- Calorimeter Constant (Available)

Acid/Base: Equilibrium:
- Identification of a eak Acid using a Titration Curve (Available)

Gas Law:
- Determination of the Ideal Gas Law Constant (Available)

Acid/Base: Stoichiometry:**
- Standardization of Sodium Hydroxide (Nov. 2020)
- Titration of Vinegar (Nov. 2020)

Virtual Labs for Chemistry Coming Spring 2021

Colligative:**
- Freezing Point Depression (Jan. 2021)

Kinetics:**
- Reaction Rates at Differen Concentrations (Jan. 2021)

Equilibrium:**
- Determination of Equilibrium Constant (Feb. 2021)

Buffer:**
- Buffer Capacity (March 2021

Electrochemistry:**
- Standard Reduction Potential (April 2021)

Qualitative Analysis:**
- Qualitative Analysis (May 2021)

Spectrophotometry:**
- Calibration Curve to Find Concentration (June 2021)

*To see the full list of available labs, visit mheducation.com/highered/connect/virtual-labs
**Deliverability of anticipated Virtual Labs subject to change

To see the labs in action, click here to watch this 1-minute video.
Or visit: bit.ly/ConnectVirtualLabs

See What Students are Saying about Virtual Labs:

What specifically in Virtual abs enhanced your learning of the content?*

"The pop up questions kept me engaged and made sure I understood what was going on."
–Student at Northeast Iowa Community College

"I am able to complete at my own pace and not feel rushed or left behind. If needed, I can repeat something to better understand."
–Student at St. Louis Community College

"You are given immediate feedback where you're going wrong so you can adjust and reroute."
–Student at Somerset Community College

*Feedback pulled from a survey of 406 students from various schools across the US using Virtual Labs.

Pricing Options:

Virtual Labs for Chemistry are available through standalone Connect with two access options available:

12-Month Access

Online Access ISBN: 1259406776
Access Card ISBN: 1259415635
Price: $60/term

6-Month Access

Online Access ISBN: 1265638799
Access Card ISBN: 1265639604
Price: $30/term