Introduction to OER

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Chemistry

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Summary

Chemistry is designed to meet the scope and sequence requirements of the two-semester general chemistry course. The textbook provides an important opportunity for students to learn the core concepts of chemistry and understand how those concepts apply to their lives and the world around them. The book also includes a number of innovative features, including interactive exercises and real-world applications, designed to enhance student learning.

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Example of OER: Chemistry textbook from OpenStax. Free access. Can read it online, download it in a variety of formats, and order an optional print copy (ranges from $25-$65). Also offers instructor resources, including test banks and a Canvas course cartridge.
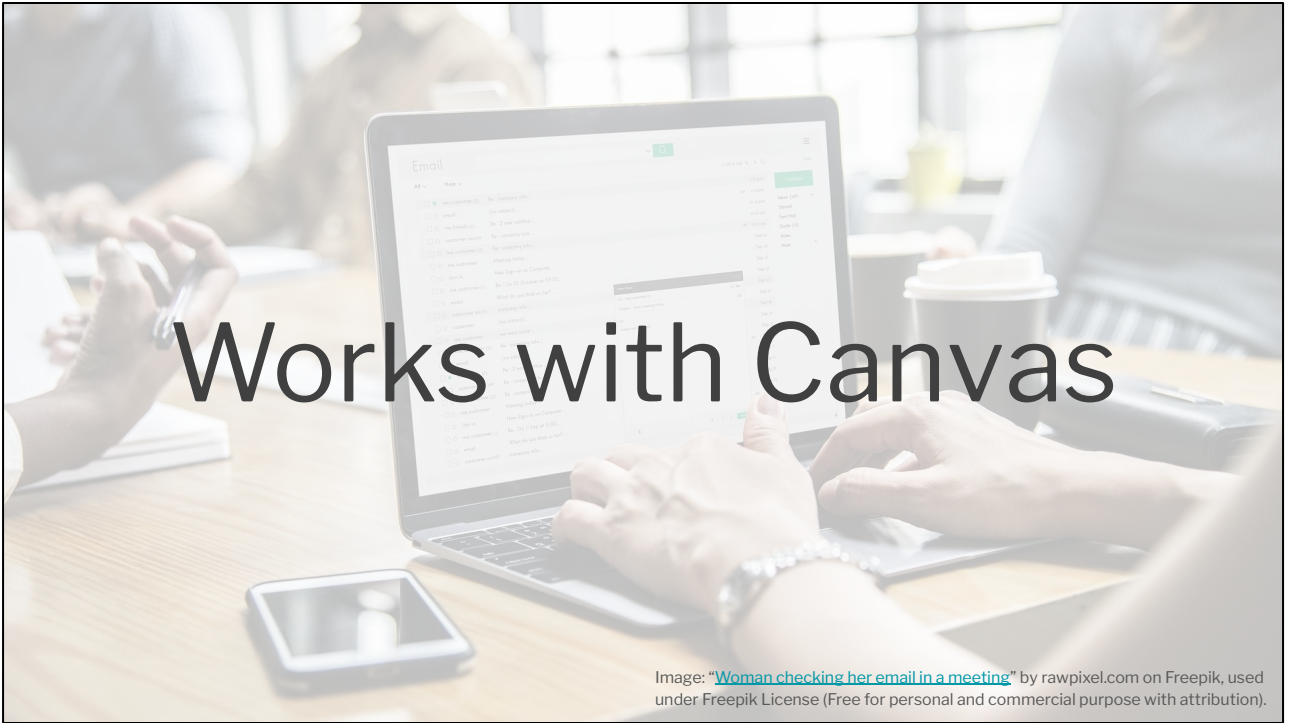
Chapter 1

Essential Ideas

Figure 1.1 Chemical substances and processes are essential for our existence, providing sustenance, keeping us clean and healthy, fabricating electronic devices, enabling transportation, and much more. (credit "left": modification of work by "vxla"/Flickr; credit "left middle": modification of work by "the Italian voice"/Flickr; credit "right middle": modification of work by Jason Trim; credit "right": modification of work by "gosheshe"/Flickr)

Chapter Outline

1.1 Chemistry in Context

1.2 Phases and Classification of Matter

1.3 Physical and Chemical Properties

1.4 Measurements

1.5 Measurement Uncertainty, Accuracy, and Precision

PDF version of OpenStax Chemistry.

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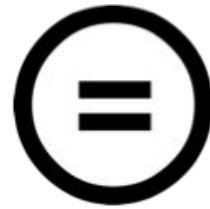
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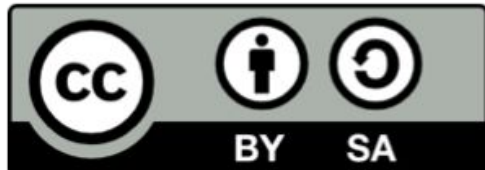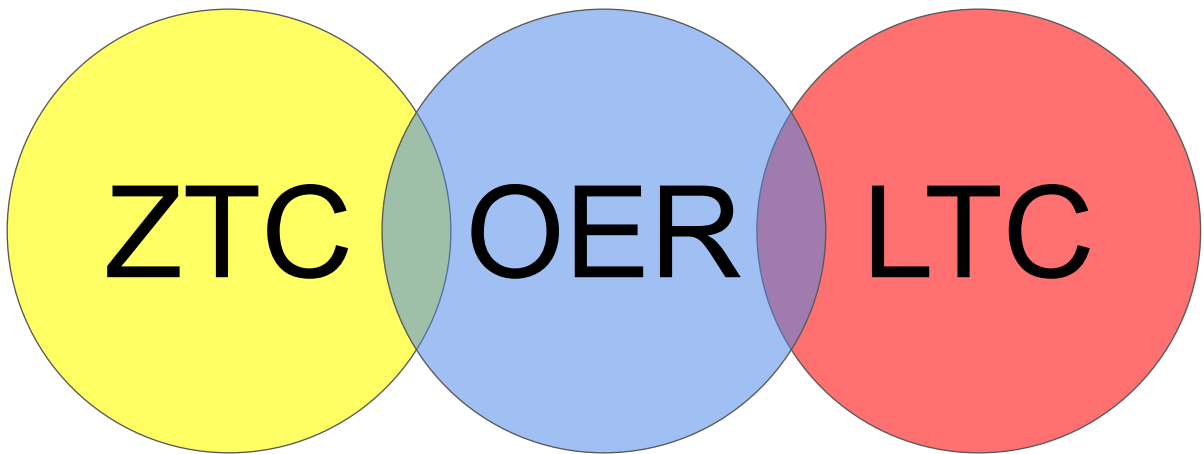Must license any new creations under the identical terms

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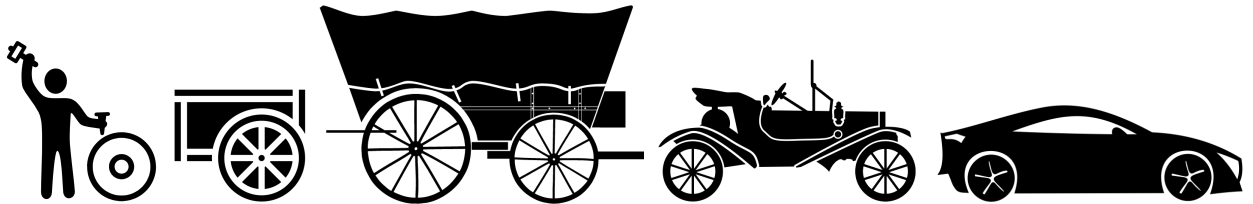GLENDALE COMMUNITY COLLEGE
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Open Means . . .

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