

Chemistry Level 9-12

ELC-4052B

COMMON CORE

- RST.6-8.1
 - Cite specific textual evidence to support analysis of science and technical texts.
- RST.6-8.3
 - Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
- RST.6-8.7
 - Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).
- 6.RPA.3
 - Use ratio and rate reasoning to solve real-world and mathematical problems.
- 6SP.B.4
 - Display numerical data in plots on a number line, including dot plots, histograms, and box plots.
- 6.SP.B.5
 - Summarize numerical data sets in relation to their context.
- WHST.6-8.7
 - Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.
- SL.8.5
 - Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.

NGSS

- MS—PS1-2
 - Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
- MS-PS1-5
 - Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.
- MS-PS1-6
 - Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes.