



Chemistry

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Prerequisites:

- This course is typically recommended for 10th-12th grade students.
- Usually taken right after Biology
- Algebra I (minimum)
- Physical Science or Biology (not required, but will help your student with some of the concepts in Chemistry)
- Many colleges like to see that students have taken a core sequence of science classes, including Chemistry.



Course Description:

This course is a 10th grade or higher survey course designed to give a comprehensive introduction to the vast subject of chemistry and to prepare your child for a college-level course.

We will cover significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structure, molecular geometry, the gas laws, and equilibrium.

It is taught from a Christian (Biblical worldview) perspective. Labs will be covered periodically (at least 5-8 per semester) to demonstrate the various concepts taught in the text.



Commitment:

- This course meets twice a week.
- It is important that students come to class prepared to discuss the reading and with problems done to the best of their ability (with questions ready).



A typical class will look like...

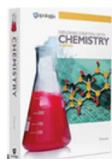
Class time for Chemistry will consist of a mixture of lecture, problem solving, and labs. I will give explanations and examples during lectures, so students will be expected to take notes. We will work through multiple problems together. Quizzes will be given in class for each module to test specific skills. We will complete 10-14 labs throughout the year.



Books and Supplies*

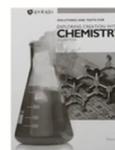
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3-ring binder

*Lab materials covered by course lab fee.