Exam Overview

The AP Chemistry Exam assesses student application of the science practices and understanding of the learning objectives outlined in the course framework. The exam is 3 hours and 15 minutes long and includes 60 multiple-choice questions and 7 free-response questions. A scientific or graphing calculator is recommended for use on ***both sections*** *of the exam. Students are provided with the periodic table and a formula sheet that lists specific and relevant formulas for use on the exam (see Appendixes). The details of the exam, including exam weighting and timing, can be found below:*

Section	Question Type	Number of Questions	Exam Weighting	Timing
I	**Multiple-choice questions**	**60**	**50%**	**90 minutes**
II	**Free-response questions**		**50%**	**105 minutes**
	Long questions (10 points each)	3		
	Short questions (4 points each)	4		

How Student Learning Is Assessed on the AP Exam

Section I: Multiple-Choice

Science Practices 1, 2, 4, 5, and 6 are all assessed in the multiple-choice section with the following exam weighting (Science Practice 3 is not assessed in the multiple-choice section):

Science Practice	Exam Weighting
Practice 1: Models and Representations	**8–12%**
Practice 2: Question and Method	**8–12%**
Practice 4: Model Analysis	**23–30%**
Practice 5: Mathematical Routines	**35–42%**
Practice 6: Argumentation	**8–12%**

Section II: Free-Response

All six science practices are assessed in the free-response section with the following exam weighting:

Science Practice	Exam Weighting
Practice 1: Models and Representations	**2–4%**
Practice 2: Question and Method	**10–16%**
Practice 3: Representing Data and Phenomena	**8–16%**
Practice 4: Model Analysis	**5–9%**
Practice 5: Mathematical Routines	**43–53%**
Practice 6: Argumentation	**15–24%**