

## Overview

The AP<sup>®</sup> Physics 1 exam is 3 hours long and consists of 2 sections. Both sections are equally weighted, each worth 40 points out of 80 total points on the exam.

### Section 1: Multiple Choice (80 minutes, 40 points)

- 40 questions, each worth 1 point, each with exactly 4 answer choices and only 1 correct answer. (Note: prior exams had 5 answer choices or 2 correct answers; that is no longer the case.)
- Approximately 2 minutes per question (80 minutes / 40 questions).
- Answer every question. You gain a point for every correct answer and do not lose points for incorrect answers.
- In Bluebook, the clock turns red when 5 minutes remain. Use the button at the bottom center of the window to see unanswered questions and toggle to them quickly.
- Questions marked for review will have a red flag in Bluebook, making them easy to locate if time permits a second look.

### Break (10 minutes)

There is a 10-minute break between Section 1 and Section 2.

### Section 2: Free Response (100 minutes, 40 points)

4 free-response questions, not equally weighted. Each question type has a specific point value and suggested time:

#	Question Type	Points	Suggested Time
1	Mathematical Routines	10	20–25 min
2	Translation Between Representations	12	25–30 min
3	Experimental Design and Analysis	10	25–30 min
4	Qualitative/Quantitative Translation	8	15–20 min

### The Bluebook App

- The AP<sup>®</sup> Physics 1 exam is administered through the [Bluebook app](#). Download it and spend time becoming familiar with how it works before exam day.
- Bluebook includes a graphing calculator. Practice using it before the exam, as it can be very helpful.
- Bluebook also includes a Reference Sheet with all provided equations and more. Sections include: Kinematics, Forces, Energy, Momentum; Rotation, Simple Harmonic Motion, and Fluids; Constants and Conversion Factors; Unit Symbols; and Geometry and Trigonometry. Review the entire Reference Sheet so you know what is available to you.

## Unit Weighting

- **Highest weight:** Units 2 and 3. Expect the largest percentage of exam questions to come from these units.
- **Middle weight:** Units 1, 4, 5, and 8. Expect an average number of questions from these units.
- **Lowest weight:** Units 6 and 7. Fewer questions, but the material is still important and should not be neglected.
- No unit stands alone. A question about one unit will often require knowledge from several others. For example, an oscillations question (Unit 7) may also require conservation of mechanical energy (Unit 3), Newton's second law (Unit 2), and graph interpretation (Unit 1).

## Key Reminders

- Use  $g = 10 \text{ N/kg}$  ( $= 10 \text{ m/s}^2$ ) for the gravitational field strength on Earth throughout the exam. This makes calculations faster and easier.
- Answer every multiple-choice question. There is no penalty for an incorrect answer, so never leave one blank.