



## AP Biology Summer Assignment

**Start Date:** May 26, 2026

**Submission Deadline:** August 3, 2026 (First Day of School)

**Grade Posting Date:** August 28, 2026

### Student Directions:

Welcome to AP Biology! This course is designed to help you think and work like a biologist, not just memorize facts. One of the key ways we do this is by focusing on the six [Science Practices](#)—skills that scientists use every day to ask questions, analyze data, design experiments, and communicate their ideas.

Before we begin the course, you'll explore these Science Practices through videos, notes, and practice questions. This will give you a strong foundation so that when we dive into content, you're already prepared to approach it like a scientist. These practices are essential for success on the AP Biology exam, where you'll be expected to interpret data, design experiments, and explain biological concepts clearly.

Your AP Biology Summer assignment will help you review and build some essential foundational skills that will propel you through the course. You will watch videos, review notes and examples, and complete practice problems. The more effort you put into building these skills now, the more successful you'll be throughout the school year. Click the link below to access your full assignment. Beneath the link, you'll find suggested pacing to complete this work stress free!

## AP Biology Science Practice Assignment

### Topic 1: Experiments and Controls

Pages: 1 – 2

Video Review: [Positive and Negative Controls](#)

Approximate time to complete: 20 minutes

### Topic 2: Null hypothesis and hypothesis testing

Page: 3

Video Review: [Null hypotheses](#)

Approximate time to complete: 10 minutes

*"Where Education Meets Purpose"*





### **Topic 3: Statistical significance and error bars**

Pages: 4 – 6

Video Review:

- [Standard Deviation](#)
- [Standard Error](#)

Approximate time to complete: 40 minutes

### **Topic 4: Graphing**

Pages: 7 – 11

Video Review: [Graphing error bars](#)

Approximate time to complete: 40 minutes

### **Topic 5: Basic calculations**

Page: 12

Video Review: [Percent change](#)

Approximate time to complete: 15 minutes

### **Topic 6: Chi-square**

Pages: 13 – 16

Video Review:

- [Chi square](#)
- [Dihybrid crosses](#)

Approximate time to complete: 60 minutes

**Best,  
Chanelle Desamours  
AP Biology Teacher**