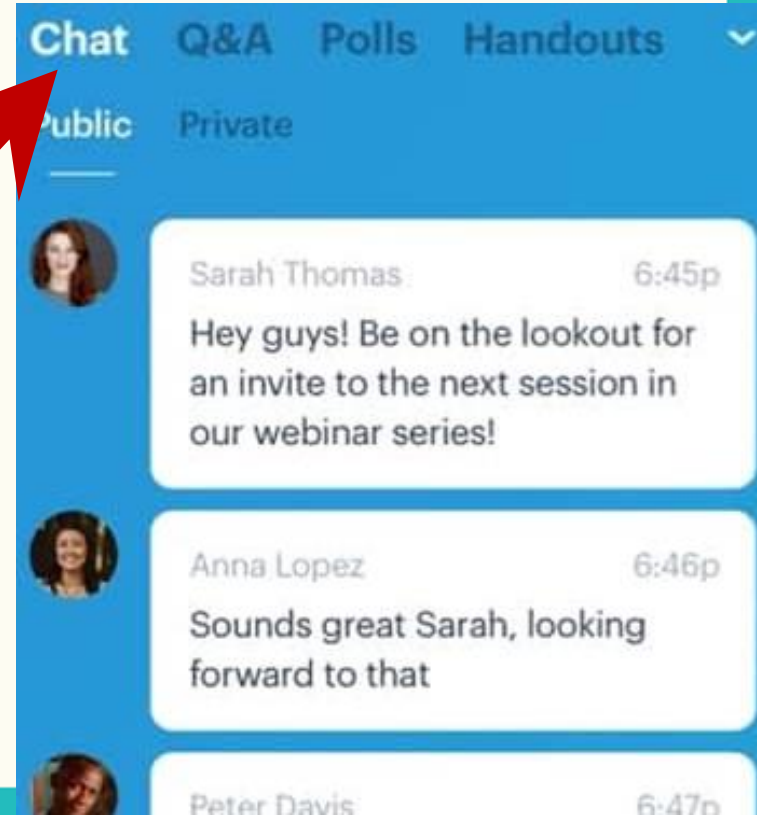


# How to Succeed in Your AP BIOLOGY Course

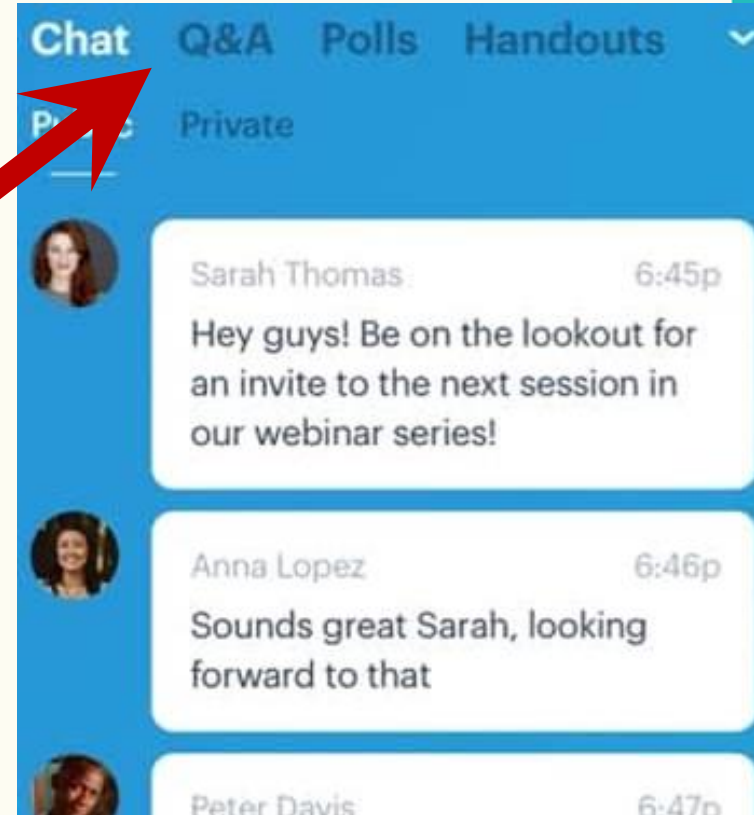


**with**  
**Tiffany Jones**  
**& Josh Kaspar**

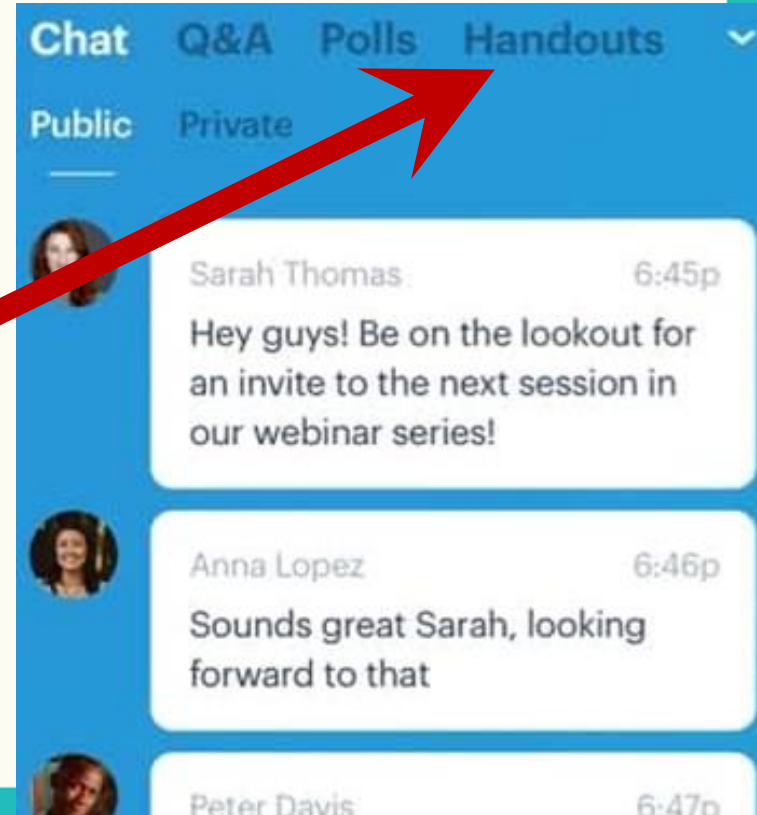
Don't be shy! Talk  
to us in the **Chat**  
section



Post your questions in the **Q&A Section** and upvote your favorite questions.



Download your handouts and links in the **Handouts** tab.



All sessions  
**will be**  
**recorded** and  
sent to you  
via email.



Recording Available

**APUSH FRQ REVIEW: March 26, 2022**

[WATCH THE RECORDING](#)

Hi John,

The recording for ACT 1 on March 26, at 2 PM ET is now available to watch.

Let us know if you have any additional questions!

Webinar details:

**Link**  
<https://www.bigmarker.com/marco-learning/2020-12-02-08-00-pm?bmid=fb38e05dc501>

**About**

[WATCH THE RECORDING](#)

# Welcome – Who Are You?

Mrs. Tiffany Jones

- 11 years of AP Biology
- Georgia
- AP Reader
- B.S. in Biology
- Ed.S. in Instructional Tech



AP Biology students are  
penguins because they  
are Dressed for Success!

You are now an  
AP Bio Penguin!



# Exam Format

Time: 90 minutes

- Section I: Multiple Choice
- 60 Questions
- 50% of Exam Weighting

Time: 90 minutes

- Section II: Free Response
- 6 Questions (2 long, 4 short)
- 50% of Exam Weighting



Based on the 2020 Practice Exam Scoring Guidelines

You need approximately 54 of the available 120 points for a 3 on the exam



# Exam Format

## Topic Breakdown

Units	Exam Weighting	#Qs
Unit 1: Chemistry of Life	8 – 11 % (5 – 7)	5.7
Unit 2: Cell Structure and Function	10 – 13% (6 – 8)	6.7
Unit 3: Cellular Energetics	12 – 18% (7 – 10)	9.3
Unit 4: Cell Communication and Cell Cycle	10 – 15% (6 – 9)	6.7

# Exam Format

## Topic Breakdown

<b>Units</b>	<b>Exam Weighting</b>	<b>#Qs</b>
Unit 5: Heredity	8 – 11% (5 – 7)	6
Unit 6: Gene Expression and Regulation	12 – 16% (7 – 10)	8
Unit 7: Natural Selection	13 – 20% (8 – 12)	9.3
Unit 8 Ecology	10 – 15% (6 – 9)	8.3

# Helpful Resources:



## AP Bio Penguins:

- 316 page Review Guide
- 60+ Quizizz Games
- Topic TikTok Videos
- Review PowerPoints
- Review Videos

[www.apbiopenguins.weebly.com](http://www.apbiopenguins.weebly.com)

@apbiopenguins (IG, TT, YT)

# Helpful Resources:



## The Absolute RecAP:

- 82 episodes (FREE) on any platform that offers podcasts
- Guided listening sheets developed with podcast

[www.theabsoluterecap.com](http://www.theabsoluterecap.com)

# Helpful Resources:



Bozeman  
Biology

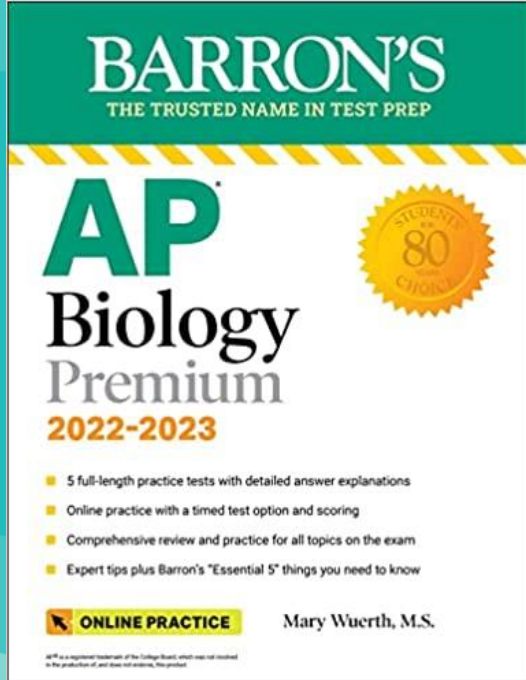


Crash  
Course



Ameoba  
Sisters

# Helpful Resources:



## Barron's Review

### Book:

- Section Reviews
- Section Quizzes
- Practice Exams with Explanations

### Other Books:

- Princeton Review
- 5 Steps to a 5

# Unit 1: Chemistry of Life

## Water Properties & Biochemistry

- Hydrogen Bonds
- Proteins
- Lipids
- Nucleic Acids
- Carbohydrates

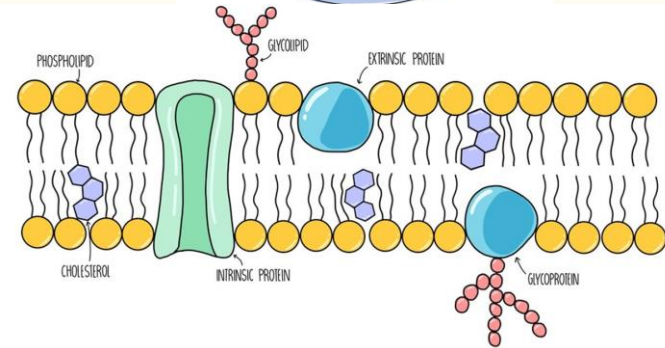
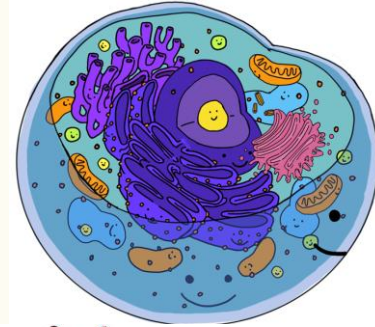
This is the foundational knowledge that we will build upon for all of AP Biology.



# Unit 2: Cell Structure & Function

## Organelles & Membrane Transport

- Cell Organelles
- Plasma Membrane
- Osmosis
- Passive Transport
- Active Transport





# Unit 3: Cellular Energetics

## Enzymes & Energy

- Proteins/Enzymes
- Cellular Respiration
- Photosynthesis

Don't get stuck on the minor details...

What goes in?

What comes out?

Where?

Why is it important?



# Unit 4: Cell Comm. & Cell Cycle

## Signal Transduction & Mitosis

- Receptor, Transduction, Response
- Checkpoints
- Interphase
- Mitosis
- Cytokinesis

# Unit 5: Heredity

## Meiosis & Genetics

- Meiosis
- Comparison w/ Mitosis
- Mendelian Genetics
- Non-Mendelian Genetics

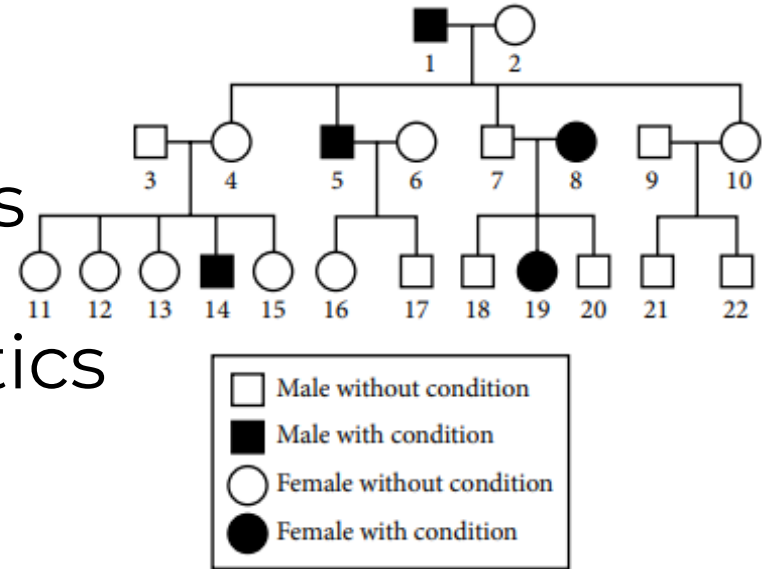


Figure 1. Inheritance of a particular condition over three generations of a family

# Unit 6: Gene Express & Regulation

## Molecular Genetics

- DNA vs. RNA
- Replication
- Transcription
- Translation
- Mutations
- BioTechnology

It's all about that central DOG-ma, right?



# Unit 7: Natural Selection

## Evolution

- Selection
- Hardy-Weinberg
- Phylogeny
- Evidence of Evolution

# Unit 8: Ecology

## Ecology

- Energy Flow
- Population Ecology
- Community Ecology

I did this over the summer as my summer assignment



# Tips & Tricks

- Read your Textbook (before or after class)
- Complete Practice Content Qs
  - AP Classroom
  - Quiz Websites (Quizizz, Quizlet, Kahoot, etc)
- Complete Practice Free Response Qs (FRQs)
  - AP Central
- Study weaknesses
- Ask Qs in class
- Form Study Group
- Complete Homework on Time
- Growth Mindset

I got an A in AP  
Biology and a 5 on  
my AP Exam



# Join our AP community!

@marcolearning



@apbiopenguins

