



Assigned: 2/15

Due: 5/13 @ 8:00AM

You will be compiling a review notebook to assist you to prepare for the Ga Milestone (**5/6 & 5/7**) and AP Exam (**5/13**). This assignment will be an exam grade (250 points). The following are the items that are to be completed and placed into your review notebook. It would be a **WISE** decision to include your Race to the Slopes quizzes for extra review questions. Extra credit may be given for completion of extra items. This is a long term assignment & NO LATE SUBMISSIONS will be accepted under any circumstance! The notebook is due on **Monday, May 13, 2019 by 8:00am**.

$\checkmark$	Dates	Items to be Completed
	3/4	Diagnostic Test – Barron's PreTest (AP) – itsLearning (A)
	3/8	Diagnostic Test - PreTest (Ga Milestone) – USATestPrep (B)
	3/15	Lowest EOCT Section (90% mastery) – USATestPrep (D)
	3/25	Complete 1 Barron's Practice Test (C)
	3/22	Second Lowest EOCT Section (90% mastery) – USATestPrep (D)
	3/29	CHECKPOINT (50 POINTS)
	3/29	Middle Lowest EOCT Section (90% mastery) – USATestPrep (D)
	4/8	Complete released exam – itsLearning (E)
	4/12	Middle Highest EOCT Section (90% mastery) – USATestPrep (D)
	4/15	Laboratory Review/Science Practices – 4 videos – PlayPosit (H & I)
	4/15	Albert.io Lab Review – 50% completed – Albert.io (J)
	4/19	Second Highest EOCT Section (90% mastery) – USATestPrep (D)
	4/22	Albert.io Practice Exam – Albert.io (K)
	4/26	Highest EOCT Section (90% mastery) – USATestPrep (D)
	4/27	AP Biology Practice Exam (student choice) (F)
	5/3	CHECKPOINT (200 POINTS)
	5/4	Full-Length Practice Ga Milestone Exam – USATestPrep (G)
	5/13	Completed Notebook due to Mrs. Jones by 8:00 am 250 POINTS GOING IN GRADEBOOK

\* additional points are either Barron Review Sections or student choice point assignments (see the student choice list)

Resource Key				
Albert.io	Α	PlayPosit (Clever in ItsLearning)	Р	
Barron's	В	Textbook	Т	
ItsLearning	I	USATestPrep	U	
Mastering Biology	М			

## You must complete a total of 250 points!

Required Items				Student Choice			
$\checkmark$		Item	Points	>		Item	
	Ι	AP Diagnostic Test	5 pts			AP Biology Practice Exam	10 pts
	U	EOCT Diagnostic Test	5 pts		В	Barron's Section Review	48 pts
	U	USATestPrep EOCT Section Quizzes	30 pts		В	Barron's Practice Exam (1)	10 pts
	U	USATestPrep EOCT Practice Exam	5 pts		Ι	Released AP Exam (1)	10 pts
	В	Barron's Practice Exam (1)	10 pts		М	Mastering Biology	30 pts
	Ι	Released AP Exam (1)	10 pts		Ι	Numeric Response	20 pts
	Р	Laboratory Review (2)	10 pts		В	Inquiry Diagrams	10 pts
	P/I	Science Practices	35 pts	A Albert.io Practice Exam (2)		Albert.io Practice Exam (2)	20 pts
	Α	Albert.io Lab Review	20 pts	B Barron's Practice Test		Barron's Practice Test	10 pts
	А	Albert.io Practice Exam (1)	10 pts	M Solve-It (5)		Solve-It (5)	10 pts
	Μ	Solve-It (4)	8 pts		Р	Additional Lab Review (9)	18 pts
		Binder	2 pts		Ι	Scientific Skills MC Practice	10 pts
Total Points: 150 points					Tota	al Points: 206 points (choose 100 point	:s)

Checkpoint	Pacing Required Items Completed
3/29	<ul> <li>AP Diagnostic Test</li> </ul>
50 pts	<ul> <li>USATestPrep Diagnostic Test</li> </ul>
	<ul> <li>USATestPrep 3 Sections</li> </ul>
	<ul> <li>Barron's Practice Exam</li> </ul>
5/3	<ul> <li>Released AP Exam</li> </ul>
200 pts	<ul> <li>USATestPrep 3 Sections</li> </ul>
	<ul> <li>Science Practice &amp; Lab (50%)</li> </ul>
	<ul> <li>Albert.io Practice Exam</li> </ul>
5/13	<ul> <li>USATestPrep Practice Exam</li> </ul>
250 pts	<ul> <li>Science Practice &amp; Lab (100%)</li> </ul>
	o Solve-Its

Diagnostic Test (AP Exam) – A					
5 pts	You <b>must</b> complete the Barron's diagnostic test (posted on itsLearning in <u>Review Notebook</u>				
	folder). You are <u>only</u> required to answer the questions	check/correc	t your answer	s with another	
	color pen/marker and determine your scores for the fo	ollowing section	ons. Identify t	he 4 areas you	
	feel you should work on from	the topics bel	ow:		
	Due: 3/4				
	Barron's Number Score: Work on!				
		Incorrect	(%)	(√)	
	Biochemistry & Enzymes				
	Cells & Cell Division				
	Cell Respiration & Photosynthesis				
	Heredity & Molecular Genetics				
	Classification & Evolution				
	Animals				
	Plants				
	Ecology				

	Diagnostic Test (Ga Milestone) – B					
5 pts	You <b>must</b> complete the USATestPrep diagnostic test (created as an assignment on your account). You					
	only need to re	espond on the US.	ATestPrep website.	After completion of	the diagnostic tes	st, fill in the
			following chart w	ith your scores.		
	Due: 3/8					
Overall	Structure of Cells	Interdependence	Genetics	Genetic Information	Evolution	Organisms
		of Organisms		in Cells		

Barron's Practice Exams – C				
20 pts	Complete the practice test from the Barron's book (back of book) – complete multiple choice, numeric			
(10 pts each)	response, and free response. You are only required to answer the question and write an explanation			
	for the answer. After completion, check/correct your answers with another color pen/marker.			
	* <b>Note</b> : one is <u>required</u> , one is student choice*			
	Due: 3/25			
✓				
	Practice Test 1			
	Practice Test 2			

USATestPrep Ga Milestone Review – D					
30 pts	Using the USATestPrep, you are to complete activities, games, and practices to improve your section				
(5 pts each)	scores. You need to take a 20 question Domain-Specific Exam and demonstrate mastery with a <b>90%</b> or				
	higher.				
	Due: 3/15, 3/22, 3/29, 4/12, 4/19, 4/26				
	Structure of Cells Interdependence Genetics Genetic Information Evolution Organisms				
	of Organisms in Cells				

	Released AP Exams – E				
20 pts	Complete the released exams from 2012 or 2013. These have been uploaded to itsLearning as a				
(10 pts each)	multiple choice test. You are required to answer the question on a sheet of paper and write an				
	explanation for the answer. After completion, enter your answers into itslearning and correct your				
	answers using another color pen/marker.				
	* <u>Note</u> : one is <u>required</u> , one is student choice*				
	Due: 4/8				
✓					
	2012				
	2013				

AP Biology Practice Exam – F				
10 pts	STUDENT CHOICE ITEM: Come on a Saturday morning to take the Practice Exam released by			
	CollegeBoard to prepare for the AP Exam. *I expect an honest effort*			
	Due: 4/27			
$\checkmark$				
	Released Practice Exam			

USATestPrep Ga Milestone Practice Exam – G				
5 pts	Using the USATestPrep, complete the "Full Test" for the Biology Georgia Milestone End of Course.			
	Due: 5/4			
✓	USATestPrep	Score		
	Full Test			

Laboratory Review – H					
10 pts	Using the PlayPosit, review the AP Biology labs. You must view video in its entirety and complete all				
(5 pts/req'd)	questions embedded in video.				
(2 pts/s.c.)	* <b>Note</b> : 2 labs are <u>required</u> and 9 labs are student choice*				
$\checkmark$	Huebsch Code: lsffa527 Jones Code: h64b6b				
	Labs #1 – 7 (*REQUIRED*)				
	Labs #8 – 13 (*REQUIRED*)				
	Lab 1: Diffusion & Osmosis				
	Lab 2: Enzyme Catalysis				
	Lab 3: Mitosis & Meiosis				
	Lab 4: Plant Pigments & Photosynthesis				
	Lab 5: Cellular Respiration				
	Lab 6: Molecular Biology				
	Lab 8: Population Genetics & Evolution				
	Lab 9: Transpiration				
	Lab 11: Animal Behavior				

Science Practices – I		
35 pts	Using the PlayPosit, review the science practices. You must view the video in its entirety, complete all	
(5 pts each)	questions embedded in video, and the additional worksheet.	
	Huebsch Code: lsffa527 Jones Code: h64b6b	
✓	Topics	
	SP 1: Models & Representation	
	SP 2: Using Mathematics	
	SP 3: Scientific Questioning	
	SP 4: Data Collection Strategies	
	SP 5: Analysis & Evaluation of Evidence	
	SP 6: Scientific Explanations & Theories	
	SP 7: Scales, Concepts, & Representations	

Albert.io Lab Review - J	
20 pts	Complete the albert.io Lab Review assignment on Albert.io
$\checkmark$	
	Big Idea 1 (46 questions)
	Big Idea 2 (34 questions)
	Big Idea 3 (27 questions)
	Big Idea 4 (45 questions)

Albert.io Practice Exam - K		
10 pts	Using Albert.io, complete the AP Biology Review Notebook – Practice Exam	
(10 pts each)	*Note: 1 practice test is <u>required,</u> and 2 practice tests are student choice*	
✓		
	Practice Test #1	
	Practice Test #2	
	Practice Test #3	

Numeric Response		
20 pts	Complete the numeric response section found in itsLearning <u>Review Notebook</u> folder as pdfs for you. You are required to answer the question and SHOW work. After completion, check/correct your answers using another color pen/marker with the key located on the link or in Mrs. Jones' classroom. STUDENT CHOICE ASSIGNMENT	
$\checkmark$		

Barron's (4 <sup>th</sup> Edition) Section Quizzes			
48 pts (3 pts each)	You <b>must</b> complete the section quizzes from Barron's – complete multiple choice, numeric response, and lab questions (free response is at your discretion and is <u>not required</u> ). You are only required to answer the question and write an explanation for the answer. After completion, check/correct your answers with another color pen/marker. Each section quiz should be on its <u>own page</u> with the <u>section</u> <u>title.</u> STUDENT CHOICE ASSIGNMENT		
$\checkmark$	Reading Pages	Section	Question Start Page
	9 – 25	Biochemistry	25
	33 – 49	The Cell	50
	57 – 65	Cell Respiration	66
	73 – 82	Photosynthesis	83
	89 – 96	Cell Division	97
	105 – 120	Heredity	121
	129 – 148	The Molecular Basis of Inheritance	149
	159 – 171	Classification	172
	177 – 194	Evolution	195
	203 – 218	Plants	219
	225 – 252	Human Physiology	253
	267 – 275	The Human Immune System	276
	281 – 290	Animal Reproduction & Development	291
	299 – 316	Ecology	317
	325 – 330	Animal Behavior	330
	335 – 357	Investigations	357

Mastering Biology		
30 pts	Students select from list of Mastering Biology activities, tutorial, animations, etc. under assignments "AP Biology Exam Review Project". Each item has a deemed point value. Complete the activities and questions you need to review. Grade will be based on student grade on item multiplied by the point value [Example: 90% on 1.2 pt item: 0.9 * 1.2 = 1.08pts]. You may complete up to 30 points STUDENT CHOICE ASSIGNMENT	
✓		

Barron's Additional Practice Exams		
10 pts	Using itsLearning, complete the Barron's Additional Practice Test.	
(5 pts each)	STUDENT CHOICE ASSIGNMENT	
✓		
	Practice Test 1	
	Practice Test 2	

Inquiry Diagrams		
10 pts	You may complete 5 inquiry diagrams from the inquiry diagram list. Diagrams should fill a 8.5 x 11	
(2 pts each)	piece of non-lined paper (preferably copy paper). Diagrams must be hand-drawn, in color, and labeled.	
	You are to explain the experiment, discuss results/conclusion, diagram (drawing diagram or graphing	
	data), and answering the "what if" question.	
	Diag	ram:
•		
	1.21 Does Camouflage affect predation rates on	22.12 Does sexual selection in cichlids result in
	two populations of mice? (17)	reproductive isolation? (443)
	5.4 Do membrane proteins mover (102)	in supflowers? (448)
	8.9 Which wavelength of light are most effective	23 21 What causes the loss of spines in lake
	in driving photosynthesis? (167)	stickleback fish? (468)
	9.9 At which end do kinetochore microtubules	24.14 Can prokarvotes evolve rapidly in response
	shorten during anaphase? (189)	to environmental change? (483)
	9.14 Do molecular signals in the cytoplasm	25.21 What is the root of the eukaryotic tree?
	regulate the cell cycle? (192)	(513)
	11.3 When F <sub>1</sub> hybrid pea plants self- or cross-	27.15 Did the arthropod body plan result from
	pollinate, which traits appear in the F <sub>2</sub>	new <i>Hox</i> genes? (554)
	generation? (216)	
	11.8 Do the alleles for one character segregate	31.2 What part of a grass coleoptile senses light,
	the alleles for a different character? (220)	and now is the signal transmitted? (641)
	12.4 In a cross between a wild-type female fruit	21.2 Does asymmetric distribution of a growth-
	fly and a mutant white-eved male, what color	promoting chemical cause a coleontile to bend?
	eves will the $E_1$ and $E_2$ offspring have? (239)	(641)
	12.9 How does linkage between two genes affect	31.4 What causes polar movement of auxin from
	inheritance of characters? (243)	shoot tip to base? (643)
-	13.3 Can a genetic trait be transferred between	31.13 How does the order of red and far-red
	different bacterial strains? (254)	illumination affect seed germination? (650)
	13.5 Is protein or DNA the genetic materials of	39.20 Does a digger wasp use landmarks to find
	phage T2? (255)	her nest? (830)
	13.13 Does DNA replication follow the	40.13 Does feeding sea urchins limit seaweed
	conservative, semiconservative, or dispersive	distribution? (853)
	Model? (261)	41.2 Can a species picke he influenced by
	determines the anterior end of a fruit fly? (329)	interspecific competition? (869)
	16.11 Can the nucleus from a differentiated	41.15 Is <i>Pisaster ochraceus</i> a keystone predator?
	animal cell direct development of an organism?	(876)
	(330)	
	16.16 Can a fully differentiated human cell be	41.23 How does species richness relate to area?
	"deprogrammed" to become a stem cell? (333)	(882)
	19.14 Can a change in a population's food being	42.7 Which nutrient limits phytoplankton
	sold as whale meat? (398)	production along the coast of Long Island? (891)
	20.6 What is the species identity of food being	42.12 How does temperature affect litter
	Solu as whale meat?	decomposition in an ecosystem? (895)
	21.10 DO Temales select mates based on traits	45.12 What caused the drastic decline of the
	22.7 Can divergence of allonatric nonulations	
	lead to reproductive isolation? (440)	

Solve-It Exercises	
8 pts	Complete the solve-it assignment found on Mastering Biology. You are required to complete the online
(2 pts each)	assignment questions and activities.
	Required to complete 4; student choice to complete other 5.
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	Ch. 5: Which biofuel has the most potential to reduce our dependence on fossil fuels?
	Ch. 11: Is it possible to treat bacterial infections without antibiotics?
	Ch. 17: Which insulin mutation may result in disease?
	Ch. 23: Do cockroaches evolve in response to living with humans?
	Ch. 26: Are you getting the fish you paid for?
	Ch. 38: Why are honeybees vanishing?
	Ch. 45: Does sex determination have only two possible outcomes?
	Ch. 48: What is causing episodes of muscle weakness in a patient?
	Ch. 54: How can severity of forest fires by reduced?