

CHAPTER 11 *Approximately 75% of this assignment is due in class on Wednesday, January 29, 2020
The completed assignment, in its entirety, is due Thursday, January 30, 2020*

Read Hillis Chapter 11 and answer ALL concept questions (11.1–11.4) in complete sentences EXCEPT for the last two questions in concept 11.4.

CONFERENCE *By appointment; must be scheduled before Thursday, March 19, 2020*

Answer the following questions in complete sentences:

1. Discuss your progress in AP Biology so far. What are you most proud of? Where do you need to improve?
2. Describe your goals for the remainder of the course and the AP exam. What score do you think is realistic for you to obtain on the exam? What specific steps will you take to accomplish this goal?
3. Describe how this course has changed your perspective on biology. How do you view biology—or science in general—differently than you did before starting AP Biology?
4. Describe how AP Biology has informed your understanding of how college courses are different from high school courses.

Schedule an appointment for a 5-minute midterm conference with me, at which time you will submit your written reflection. You are strongly encouraged to schedule your meeting as early in the semester as possible.

CHAPTERS 12–14 *Approximately 75% of this assignment is due in class on Monday, February 3, 2020
The completed assignment, in its entirety, is due Tuesday, February 4, 2020*

Skim Hillis Chapter 12. Read Hillis Chapters 13 and 14. Answer the following concept questions in complete sentences: Concept 12.4 (question 1); Concept 13.1 (all questions); Concept 13.4 (questions 1, 3, & 4); Concept 14.2 (questions 2 & 3); Concept 14.4 (questions 1 & 4)

ESSAY 1 *Due Thursday, February 6, 2020*

Answers must be written out in paragraph form. Outline form is not acceptable. Labeled diagrams may be used to supplement discussion, but a diagram without a written explanation will not receive credit. You must cite the source of all information you mention. Include the page number of information from the textbook or the web address of information found online. A copy of the question and additional supporting materials can be found on the course webpage, spraguescience.com.

CHAPTERS 15–16 *Approximately 75% of this assignment is due in class on Monday, February 24, 2020
The completed assignment, in its entirety, is due Tuesday, February 25, 2020*

Read Hillis Chapters 15 and 16. Answer the following concept questions in complete sentences: Concept 15.2 (questions 1, 2, & 3); Concept 15.3 (questions 1 & 3); Concept 15.4 (ALL questions); Concept 15.5 (question 3); Concept 15.6 (question 3); Concept 16.1 (questions 1 & 3); Concept 16.2 (questions 1 & 2); Concept 16.3 (questions 1 & 3); Concept 16.4 (question 1)

Note:

- Chapter 15 is one of the most important chapters in the textbook. It is extremely important that you thoroughly read ALL sections of Chapter 15, including those that do not have assigned questions.
- When population frequencies differ from those predicted by Hardy-Weinberg, it is because the assumptions of Hardy-Weinberg have been violated. You should address the assumptions of the equation (pp. 298–299) in your response to question 3 in Concept 15.3.