

Grade: \_\_\_\_\_ Class: \_\_\_\_\_ Name: \_\_\_\_\_

**Soph. Biology Study Guide**

**Due Date:**  
**Feb 19<sup>th</sup>**

**Mr. Haderlie - BHS**

**Unit 8 – Evolution**

Chapter 15 – Darwin’s Theory of Evolution

Chapter 16 – Evolution of Populations

Pgs. 369-410

**Section Assessments (50 pts)**

Answer using complete sentences.

Pg. 372; SA 15-1; 1-4

Pg. 386; SA 15-3; 1-4

Pg. 402; SA 16-2; 1-4

Pg. 377; SA 15-2; 1-4

Pg. 396; SA 16-1; 1-4

Pg. 410; SA 16-3; 1-5

**Vocabulary (30 pts)**

For each vocabulary word you need to do the following:

1. Write the definition.
  2. Explain in your own words what the word means.
  3. Draw a simple picture depicting the idea of the word.
- Evolution (pg. 369)
  - Artificial Selection (pg. 379)
  - Adaptation (pg. 380)
  - Fitness (pg. 380)
  - Vestigial Organ (pg. 384)
  - Relative Frequency (pg. 394)
  - Directional Selection (pg. 398)
  - Hardy-Weinberg Principle (pg. 401)
  - Genetic Equilibrium (pg. 401)
  - Speciation (pg. 404)

**Reviewing Concepts (20 pts)**

Answer the following multiple choice questions

Pg. 389: 1-10

Pg. 413: 1-10

**Notes (50 pts)**

Notes are a required part of this grade.

You need to include all of your notes for this section. They need to be complete and in order.

**Directions:**

- Your work must be done on your own paper.
- You need to staple all of your work together with this page on top when you turn it in.
- Please put the title of the section of questions (i.e. “Section Reviews”) on your paper so that I can more easily identify your answers.