

Introduction

1. What is the main idea of the *Drosophila* experiment and why is it important to test?

The purposes of Drosophila experiment was to learn where the generation grow and study about the genes.
(to study microevolution)

2. How does the Hardy-Weinberg equilibrium principle relate to the main idea of the experiment? How does fitness relate to Hardy-Weinberg and the main idea of the experiment?

How hardy-weinberg related to microevolution

and Fitness fit in natural selection

3. Why is *D. melanogaster* an ideal organism for the experiment? What are the phenotypes that will be used and why?

true red rr RR

ee EE

4. How do the phenotypes relate to Hardy-Weinberg and the main idea of the experiment?

true red

5. Based on what we discussed about the main idea of the experiment and why it is important to test, how closely does your draft address this?

To see if the gene pool doesn't change in frequency from one generation to the next.

6. Based on what we discussed about Hardy-Weinberg and fitness, how closely does your draft address this?

In the environment good can or a large depends on fitting in with back ground

7. Based on what we discussed about why *D. melanogaster* is an ideal organism, how closely does your draft address this?

stimulus for genetic investigation
& development and behavior

8. Based on what we discussed about the phenotypes, how closely does your draft address this?

it has simple genome

Methods

9. From Lab Activity 1, what was your response to "what will the chi-squared test tell us" question? Was it incorporated into your draft?

To determine expected + observed
in terms of?

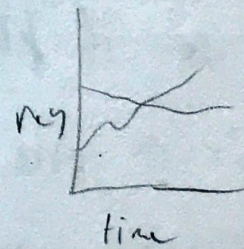
10. From Lab Activity 1, what was your response to "what will the *t*-test tell us" question? Was it incorporated into your draft?

different in relative fitness and ^{ve} ebony
such that?

Results

11. From the *Drosophila* lab handout and the Writing Guidelines and Rubric, what type of figure should you have for the final report? What is the independent variable and on which axis does it belong?

we change in order of
frequency



12. From the *Drosophila* lab handout and the Writing Guidelines and Rubric, what should the column headings be for the chi-squared table?

observed and

weeb ob

sampling number

ok x²

ok	x ²		

Activity 3: Drosophila Paper

13. From the *Drosophila* lab handout and the Writing Guidelines and Rubric, what should the column headings be for the *t*-test table?

	ew	utw	t-tst
week			

Discussion

14. According to the Writing Guidelines and Rubric, what should the first part of the discussion include?

re-sampling hypothesis general trends observed

15. According to the Writing Guidelines and Rubric, what should the second part of the discussion include?

does our data match with their data? explain the expansion

16. According to the Writing Guidelines and Rubric, what should the third part of the discussion include?

improve it to be better expansion and how the expansion did.

17. According to the Writing Guidelines and Rubric, what should the last part of the discussion include?

to be clear and conclude with summary and data.