

Name _____

Date _____

7 _____ *Life Science*

Practice for Incomplete Dominance Quiz 7D

1. Define multiple gene inheritance.

2. Define incomplete dominance.

3. List traits that are a result of multiple gene inheritance.

(4-13) The lubber grasshopper is a very large grasshopper. A red striped lubber grasshopper crossed with a yellow striped one produces a grasshopper that is black with red and yellow stripes. What will be the phenotypic ratio of the F₁ generation resulting from a cross of two grasshoppers, both with red and yellow stripes?

(4) Give the genotypes and phenotypes of:

genotypes	phenotypes
_____	_____
_____	_____
_____	_____

(5-9) Show the results of a cross between a red striped male with a red and yellow striped female.

_____ 5. How many grasshoppers would have red and yellow stripes?

_____ 6. What is the genotype of a red and yellow striped grasshopper?

_____ 7. Out of 24 grasshoppers, how many would have red stripes?

_____ 8. Give the percent of red stripes.

_____ 9. Give the percent of yellow stripes.

10. In a cross between two red and yellow striped grasshoppers, give the probability of the following phenotypes:

_____ red striped

_____ yellow striped

_____ red & yellow striped

_____ 11. What type of cross would produce 50% yellow striped and 50% red & yellow striped?

_____ 12. What type of cross produces all three phenotypes?

_____ 13. What type of cross produces all hybrid red & yellow striped grasshoppers?