

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

### Ch. 9 Patterns of Inheritance

Use online text web page chapter 9 to complete the investigation below.

#### 9D Incomplete Dominance

1. How does the F1 generation differ from the P generation? Why do you think this happened?
2. What is the ratio of phenotypes in the F2 generation? Why do you think this happened?
3. Explain in your words how this is different than the results Mendel found with his Pea plants.
4. Explain in your words why the horns trait demonstrates incomplete dominance?
5. Give the genotypes of the parents and the progeny using *DD* for normal head and *dd* for disk head.
6. What offspring would you expect from a cross between a MendAlien with a round head and a MendAlien with a disk head? Give the phenotypes and genotypes (*show your Punnett square*).
7. Now you should understand incomplete dominance. How is this different from codominance?
8. Complete the key concept quiz and submit online through the text book web page.