

# Test Crosses

## Incomplete Dominance

## Codominance

Name: \_\_\_\_\_

Hour: \_\_\_\_\_

1. A cross between a blue bird & a white bird produces offspring that are silver. The color of birds is determined by just two alleles.
  - a. What are the genotypes of the parent birds in the original cross?
  
  
  
  
  
  
  
  
  
  
  - b. What is/are the genotype(s) of the silver offspring?
  
  
  
  
  
  
  
  
  
  
  - c. What would be the phenotypic ratios of offspring produced by two silver birds?
  
2. The color of fruit for plant "X" is determined by two alleles. When two plants with orange fruits are crossed the following phenotypic ratios are present in the offspring: 25% red fruit, 50% orange fruit, 25% yellow fruit. What are the genotypes of the parent orange-fruited plants?
  
  
  
  
  
  
  
  
  
  
3. In some mice, black coat color (B) is dominant to white. If I have a black male mouse, but I don't know his genotype, how could I find out what his genotype is? Explain and show punnett square(s).

