Name:	Period:

## 5.3 PART 1 PUNNETT SQUARES PRACTICE REVIEW #3

## ATTACK OF THE GUINEA PIGS!

## **GUINEA PIG PHENOTYPES:**









LONG HAIRED BLACK

LONG HAIRED WHITE

SHORT HAIRED BLACK

SHORT HAIRED WHITE

## PHENOTYPES:

BB = black Bb = black bb = white

HH = short hair Hh = short hair hh = long hair

1. Cross a long-haired black (BBhh) guinea pig with a short-haired black (BbHH) guinea pig. Complete the Punnett square below to determine the possible offspring genotypes. Then determine the number of each phenotype.

Possible Offspring:	
Long-haired black:	
Fraction:	%:
Long-haired white:	
Fraction:	%:
Short-haired black:	
Fraction:	%:
Short-haired white:	
Fraction:	%:

Possible Offspring:

2. Cross a heterozygous short-haired white guinea pig with a heterozygous short-haired heterozygous black guinea pig. Complete the Punnett square below to determine the possible offspring genotypes. Then determine the number of each phenotype.

Long-haired black:					
Fraction:	<u> </u>				
Long-haired white:					
Fraction:	%:				
Short-haired black:					
Fraction:	%:				
Short-haired white:					
Fraction:	%:				
	OB O				
America", you det Wizard", with the However, most me TWO guinea pigs t Using the Punnett at least 25% (4/16 They will NOT rep	a guinea pig farm. After becoming invermine that most people want the cogenotype hhbb, as a pet (mostly so the embers of the GPLAA don't have the actor start your farm, BUT there aren't are square process, determine what two of offspring with the genotype hhbb. It roduce with another Guinea pig has the gout your Punnett square first!)	veted long-haire ney can do Guine amazing genetic ny long-haired w guinea pig geno n addition, Guin	ed white guinea ea pig <i>Lord of ti</i> s background y thite guinea pig otypes you shou lea pigs are sup	a pig, aka "The the Rings reena ou do. If you gs available for uld buy in orde per picky abou	White actments). can buy only purchase. er to achieve t their mates.
Genotypes of guinea pig	gs you will buy:				
Phenotypes of the guine	a pigs you will buy:				