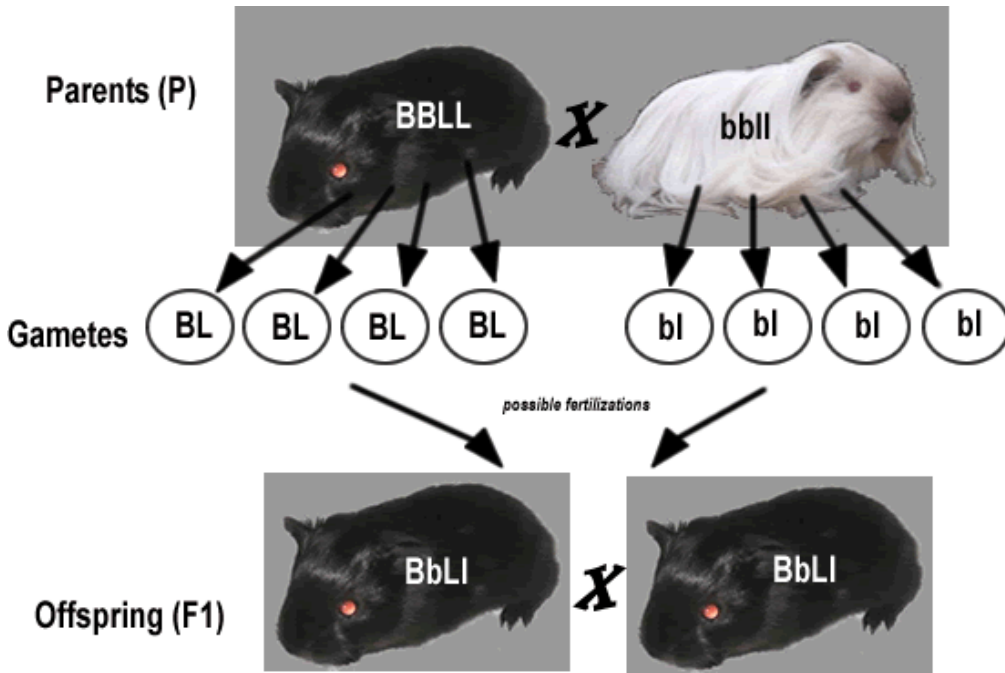


DIHYBRID CROSS

Name _____



A cross (or mating) between two organisms where two genes are studied is called a DIHYBRID cross.

The genes are located on separate chromosomes, so the traits themselves are unrelated.

BB = black
 Bb = black
 bb = white

LL = short hair
 Ll = short hair
 ll = long hair

		Female Gametes			
		BL	Bl	bL	bl
Male Gametes	BL	$BBLL$			
	Bl				
	bL				
	bl				

Fill out the genotypes of each of the offspring to determine how many of each type of offspring are produced.

Phenotypic ratios - How many, out of 16 are:



Black, Short



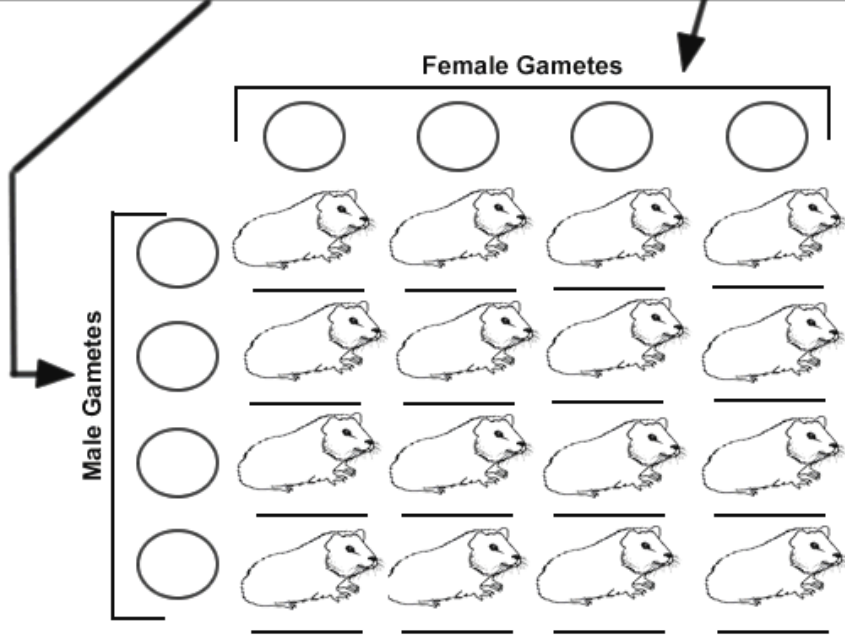
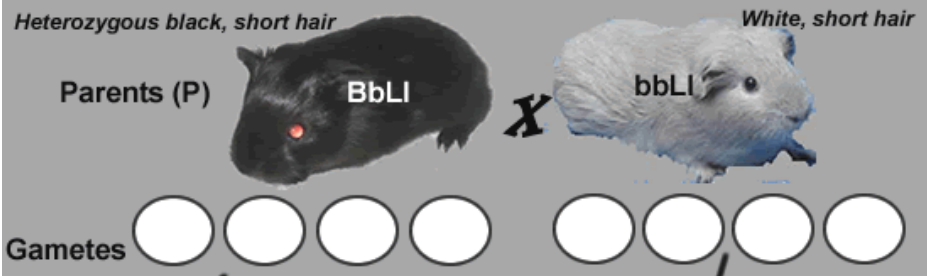
Black, Long



White, Short



White, Long



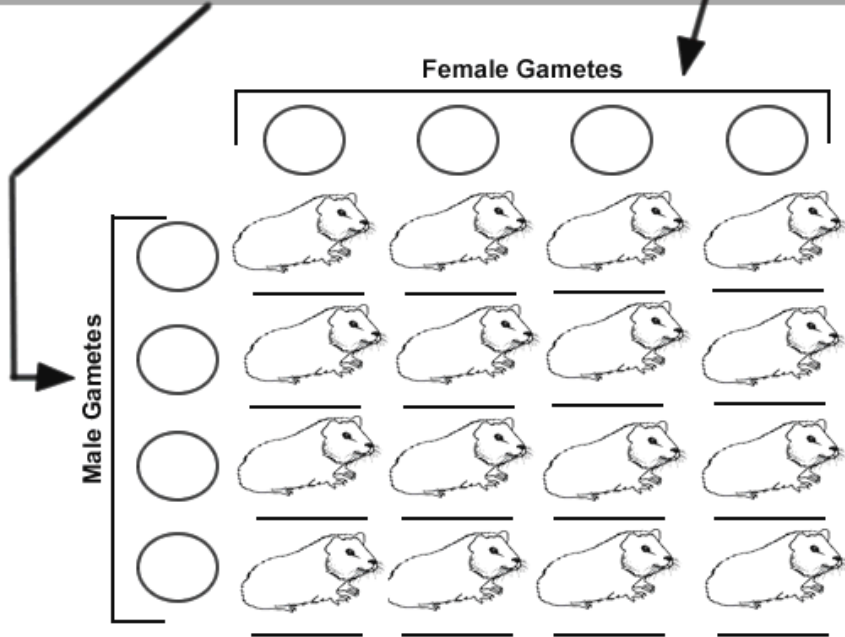
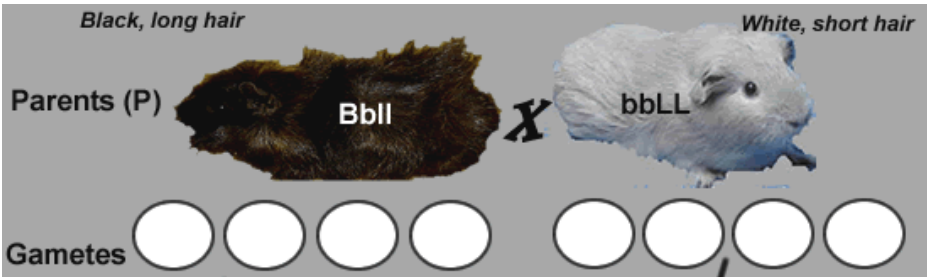
How many of the offspring are:

Black, Short _____

Black, Long _____

White, Short _____

White, Long _____



How many of the offspring are:

Black, Short _____

Black, Long _____

White, Short _____

White, Long _____