

DIHYBRID CROSS

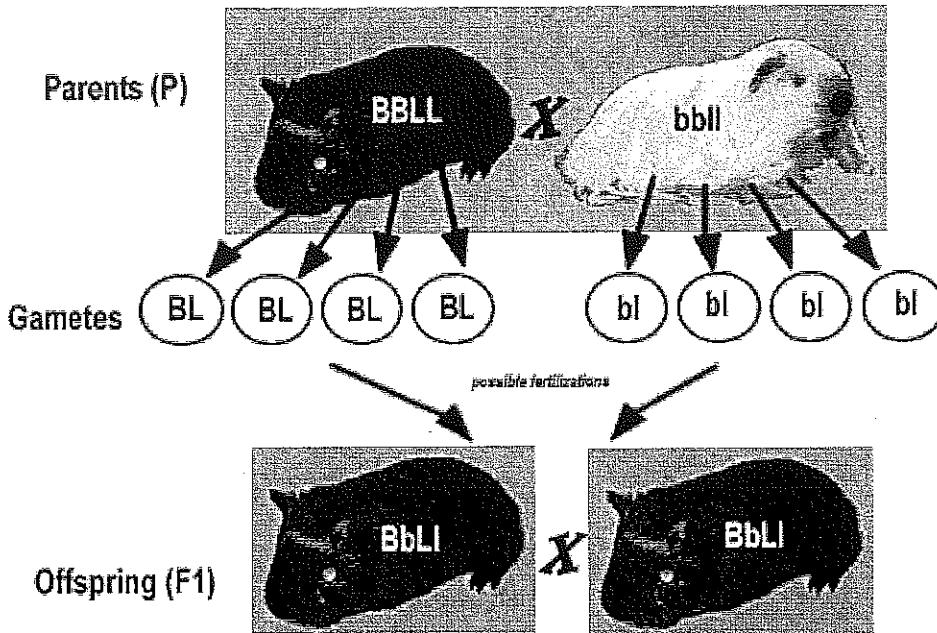
Name _____

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.

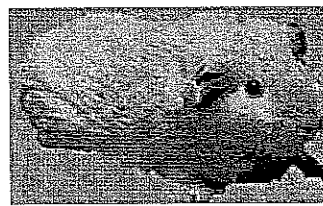
Phenotypic ratios - How many, out of 16 are:



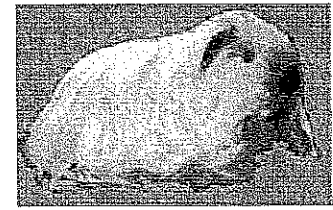
Black, Short



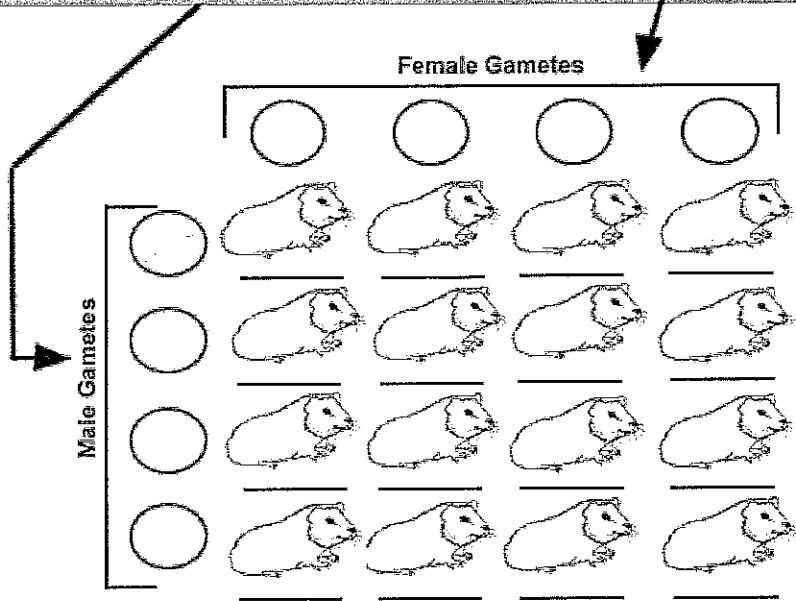
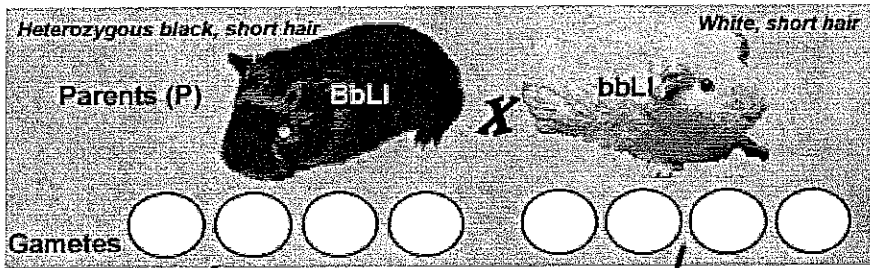
Black, Long



White, Short



White, Long



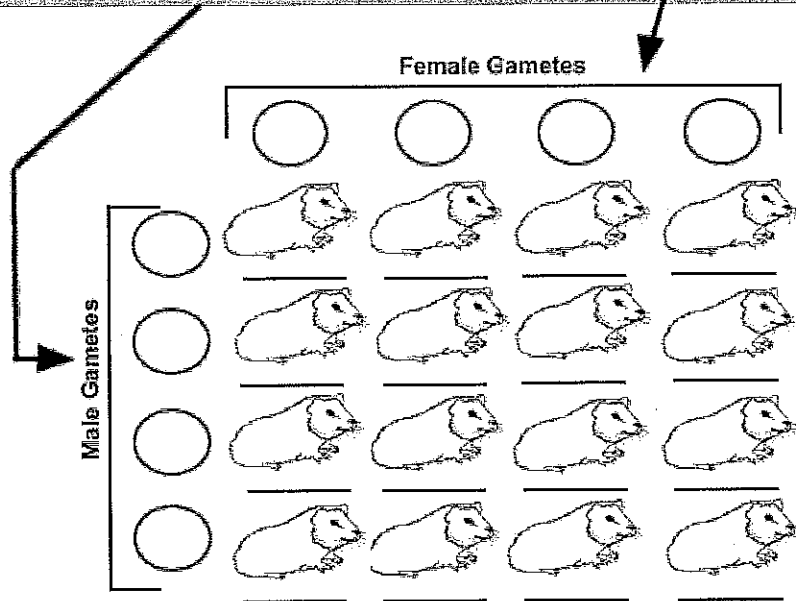
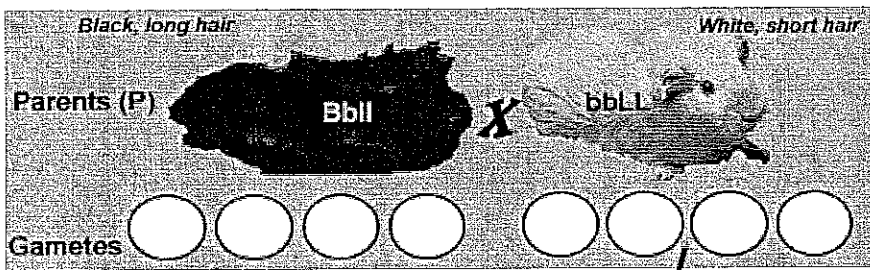
How many of the offspring are:

Black, Short _____

Black, Long _____

White, Short _____

White, Long _____



How many of the offspring are:

Black, Short _____

Black, Long _____

White, Short _____

White, Long _____