

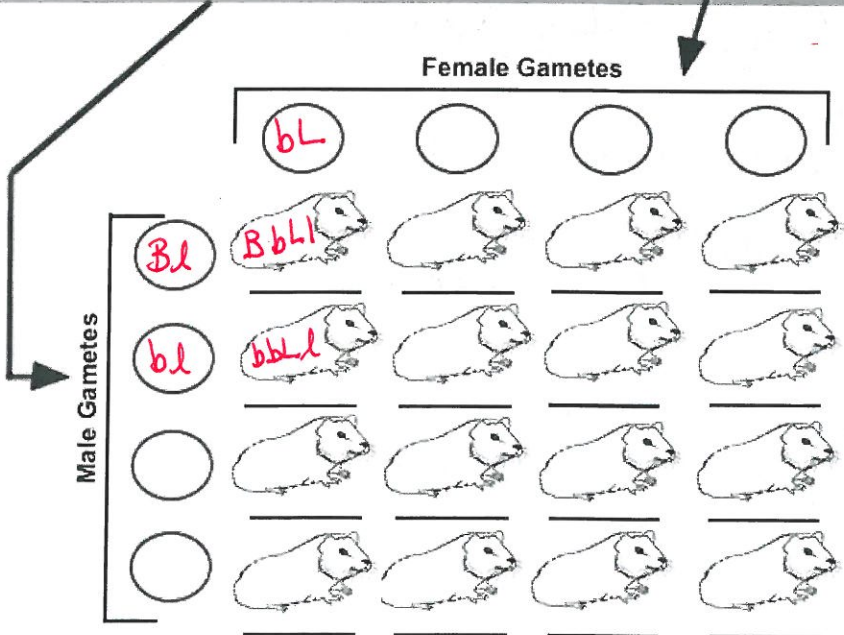
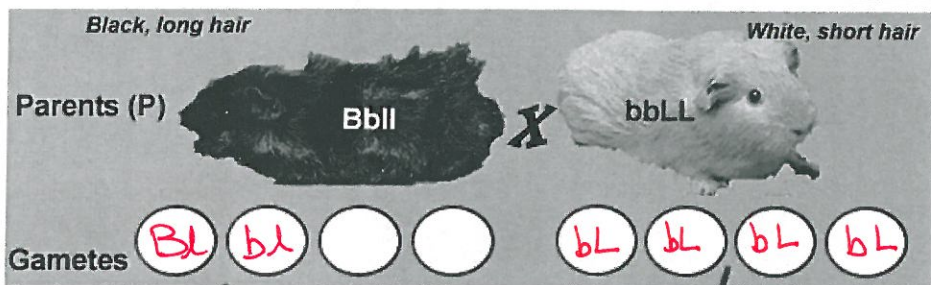
How many of the offspring are:

Black, Short 3 (6)

Black, Long 1 (2)

White, Short 3 (6)

White, Long 1 (2)



How many of the offspring are:

Black, Short 1 (8)

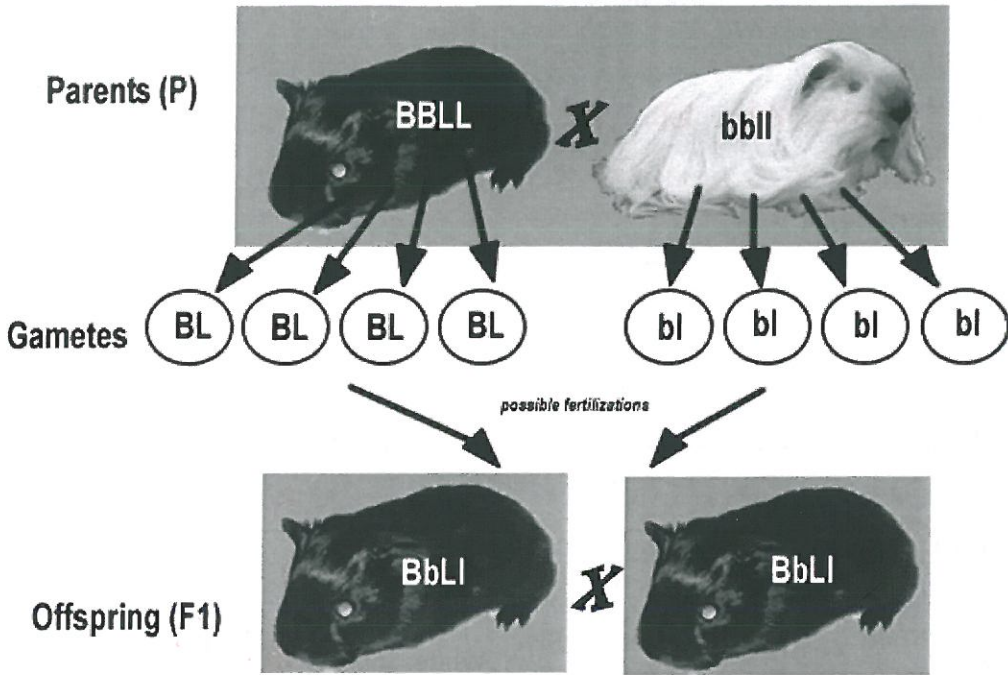
Black, Long 0

White, Short 1 (8)

White, Long 0

# DIHYBRID CROSS

(20) Name Key



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	<u>BBLL</u>	<u>BlBl</u>	<u>BbLL</u>	<u>BbLl</u>
	Bl	<u>BBLl</u>	<u>BBll</u>	<u>BbLl</u>	<u>Bbll</u>
	bL	<u>BbLL</u>	<u>BbLl</u>	<u>bbLL</u>	<u>bbLl</u>
	bl	<u>BbLl</u>	<u>Bbll</u>	<u>bbLl</u>	<u>bbll</u>

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:

9

3

3

1