

Name \_\_\_\_\_

Date \_\_\_\_\_

## Punnett Square Practice

### EXAMPLE ▶

In rabbits, black fur is dominant to white fur. If you cross a BB male with a Bb female, what are the possible genotypes and phenotypes of the offspring? What is the percent chance for each type?

	B	B
B	BB	BB
b	Bb	Bb

Genotype = BB; Bb

Phenotype = Black fur; Black fur

Chance = BB 50%; Bb 50%

### PROBLEM ▶

In cabbage butterflies, White wings are dominant to yellow wings. If a Ww butterfly is crossed with a ww butterfly, what are the possible genotypes and phenotypes of the offspring and the percent chance for each?


Genotype =

Phenotype =

Chance =

In Wolves, there is a hereditary type of deafness caused by a recessive gene. Two Wolves who carry the gene for deafness but have normal hearing are mated. What are the possible genotypes and phenotypes of their offspring and the percent chance for each?


Genotype =

Phenotype =

Chance =

In guinea pigs, rough coats (with lots of swirly cowlicks) are dominant over smooth coats. If an RR guinea pig is crossed with a Rr guinea pig, what are the possible genotypes and phenotypes of the offspring? What are the chances of each?


Genotype = BB; Bb

Phenotype = Black fur; Black fur

Chance = BB 50%; Bb 50%