

# PUNNETT SQUARE PRACTICE WORKSHEET

## Rabbit Fur Color Genotypes and Phenotypes

Individual	Phenotype	Genotype
1	White Fur	bb
2	Black Fur	BB
3	Black Fur	Bb

Individuals 2 and 3 have the same phenotype but different genotypes. This is because the dominant allele (B) masks the effect of the recessive allele (b).

- Allele B is dominant → It always appears in the phenotype if present.
- Allele b is recessive → It only appears when there are two copies (bb).

Black fur is the dominant trait, while white fur is the recessive trait in rabbits.

### Practice Questions:

1. What is the genotype of a rabbit with white fur?

Answer:

2. If two heterozygous rabbits ( $Bb \times Bb$ ) are crossed, what is the probability of getting a white-furred rabbit?

Answer: