

# PUNNETT SQUARE PRACTICE WORKSHEET



Date: \_\_\_\_\_

1

\_\_\_ represents the physical characteristics of an organism, while \_\_\_ represents its genetic makeup.

2

If an individual has the genotype Bb, they are \_\_\_\_.

3

What is the probability of producing a homozygous recessive (bb) offspring when crossing two heterozygous parents (Bb × Bb)?

4

If black fur (B) is dominant over white fur (b), what would be the phenotype of a Bb dog?

5

What is the probability of producing a heterozygous offspring from a cross between BB and Bb?

6

Which of the following is an example of a homozygous genotype?

7

If round seeds (R) are dominant to wrinkled seeds (r), what is the phenotype ratio of a heterozygous cross (Rr × Rr)?

8

In a cross between two heterozygous tall plants (Tt × Tt), what fraction of the offspring will be homozygous recessive?

9

A Punnett square is used to predict \_\_\_\_.

10

What is the expected genotypic ratio from a heterozygous (Aa) × heterozygous (Aa) cross?