

# PUNNETT SQUARE PRACTICE

## WORKSHEET

### Scenario:

In guinea pigs, black fur (B) is dominant over white fur (b). A heterozygous black guinea pig (Bb) is crossed with a homozygous white guinea pig (bb).

### Understanding Genotypes & Phenotypes and Answer the Below Questions

1 Identify the genotypes of the parents in the cross:

- Black fur parent (Bb): \_\_\_\_\_
- White fur parent (bb): \_\_\_\_\_

2 Fill in the Punnett square below to determine the possible offspring:

|   |   |   |
|---|---|---|
|   | B | b |
| b |   |   |
| b |   |   |

3 What percentage of the offspring will have black fur?  
\_\_\_\_\_

4 What percentage of the offspring will have white fur?  
\_\_\_\_\_