

## Punnett Squares

Name \_\_\_\_\_

For each of the following:

- Draw a Punnett square
- Determine the phenotypes and genotypes for each of the offspring
- Determine the percentage of offspring that will show the dominant phenotype and the recessive phenotype

For pea plants, short (t) is the recessive allele while tall (T) is the dominant allele.

1. Cross a homozygous recessive pea plant with a heterozygous pea plant.

Genotype:  
Phenotype:  
% :

2. Cross a homozygous dominant pea plant with a heterozygous pea plant.

Genotype:  
Phenotype:  
% :

3. Cross a heterozygous pea plant with another heterozygous pea plant.

Genotype:  
Phenotype:  
% :

For pea plants, white (b) is the recessive allele while black (B) is the dominant allele.

4. Cross a homozygous dominant pea plant with a homozygous recessive pea plant.

Genotype:  
Phenotype:  
% :

5. Cross a homozygous recessive pea plant with a homozygous recessive pea plant.

Genotype:  
Phenotype:  
% :