Punnett Square Activities

1. Cross a purebred short pea plant with a hybrid tall pea plant. (tt x Tt) What will the PHENOTYPE of the offspring be and what will the GENOTYPE of the offspring be?

	t	T
t		
t		

Genotype: _____
Phenotype: _____
How many (%) of each?

2. Cross a purebred tall pea plant with a hybrid tall pea plant. (TT x Tt) What will the PHENOTYPE be and what % will carry the recessive gene for short?

	T	T
T		
t		

Genotype: _____
Phenotype: _____

3. Cross a hybrid tall with another hybrid tall. (Tt xTt) What will the GENOTYPE and the PHENOTYPE be of the offspring?

	t	T
T		
t		

Genotype: _____
Phenotype: _____
How many (%) of each?

4. Cross a purebred Black with a Hybrid Black. (BB x Bb) What % will be pure black? What % will be hybrid black? What % will be white?

	B	B
B		
b		

Genotype: _____
Phenotype: _____
How many (%) of each?

5. Cross a pure tall with a pure short. (TT x tt) What is the genotype and the phenotype?

	T	t
T		
t		

Genotype: _____
Phenotype: _____
How many (%) of each?