# **Punnett Square Practice Assignment**

Directions: For each of the following problems, complete the Punnett Square provided and fill in the information requested. Return to the content and review the tutorial as needed to complete this assignment. The first problem is done for you in each group.

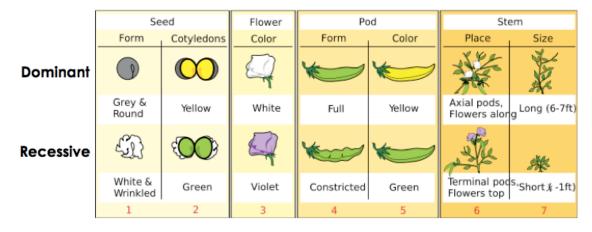
### 1. Aa x aa (parents)

	А	а
а	Aa	aa
а	Aa	aa

#### 2. Nn x Nn

3. Tt x Tt

Use the following table to help you with the remaining problems.



Choose a letter to represent the alleles for each. Example: Flower color can be P and p. Size can be T and t.

## 4. Cross a short plant with a heterozygous tall plant.

Cross (parents): tt x Tt

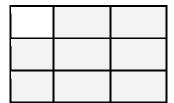
	t	t
Т	Tt	Tt
t	tt	tt

Genotype ratio: 2Tt: 2tt

Phenotype ratio: 2 Tall: 2 short

### 5. Cross a plant that is heterozygous for pod color with a plant that has green pods.

Cross (parents):

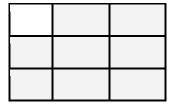


Genotype ratio:

Phenotype ratio:

6. Cross a plant that is purebred for white flowers with a plant that has purple flowers.

Cross (parents):



Genotype ratio:

Phenotype ratio:

 $from \ \underline{http://cms.gavirtualschool.org/Shared/Science/Biology17/Genetics/Biology\ Genetics\ Shared3.html} \\ edited$