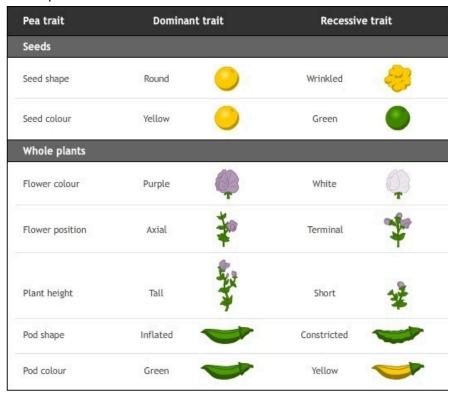
Genetics Review... Where are You?

Let's use Mendel's Traits to practice:



Monohybrid: Problems where you are looking at one trait at a time. SHOW ALL WORK

1.	Cross a heterozygous tall plant with a short plant and determine the likelihood of this parental cross
	producing offspring that are tall.

2. Cross a purple flowering plant that had one white flowering parent with a white flowering plant. Determine the likelihood that this parental cross will result in purple flowering offspring.

Dihybrid: Problems where you are looking at two traits at a time, don't forget to use two Punnett Squares!

1. Cross a heterozygous tall white flowering plant with a short plant that is heterozygous for purple flowers. Determine the fraction of offspring that are expected to be tall plants with white flowers.

		a heterozygous round seeded plant that is homozygous for tallness with a wrinkled seeded short What is the probability that this cross will produce short offspring with round seeds?		
		raits: Genes for these traits exist on the sex chromosomes for biological males those are are XY emales they are XX.		
1.		or-blind man and a woman with normal color vision have two children – one color-blind son and a all vision daughter. What are the genotypes of:		
	a.	Mom		
	b.	Dad		
	C.	Daughter		
	d.	What can be said about the color vision of any son of a color-blind woman? Why?		
1.	Cats had domin another production both v	te Dominance: Its have the T and t genes for tail length. A dominant allele of T makes a long tail (TT). A single minant allele makes a short tail (Tt). No dominant alleles (tt) results in no tail. These cats have other gene with two alleles that determines coat color. One version of the gene causes the oduction of brown hairs. The other version of the gene causes the production of white hairs. When the varieties are present (heterozygous) the cat has a wonderful mixture of both brown and white rs (let's call that color "mix").		
	a.	What type of inheritance pattern does the cats' tail length show?		
	b.	What type of inheritance pattern does the cats' hair color show?		
		e one problem involving Codominance and one problem involving Incomplete Dominance g the cats described above and solve them…even though I hate cats		