## Mendel Investigation

Mendel was a monk who wanted to figure out how the different traits of a pea plant showed up. He started out with mating 2 different types of traits together, such as a plant with purple flowers mated with a plant with white flowers. Each time 2 plants are mated, their seeds are planted and a new generation of plants grows.

Part 1: Garden 1	
Prediction: What will the new plants look like when they grow from the seeds of the that were mated with 2 different traits? (Use the flower color example as your traits)	-
Results:	
- Garden 1A:	
- Garden 1B:	
- Garden 1C:	
- Garden 1D:	
- Garden 1E:	
- Garden 1F:	
- Garden 1G:	
What is the percentage for each trait in each Garden?	
Part 2: Garden 2	
Prediction: What will the new plants look like when each of Garden 1's plants are mated (Example: 2 purple flowered plants are mated to get a new generation of plants)	ited?
Results:	
- Garden 2A:	
- Garden 2B:	
- Garden 2C:	
- Garden 2D:	
- Garden 2E:	
- Garden 2F:	
- Garden 2G:	

Conclusion: Was your prediction correct? Now, what do you think happened to the second trait?	
Calculate the percentages for each of the traits that show up in each Garden 2.  - Find the total number of plants counted  - Divide the number counted for a trait by the total  - Multiply by 100 to get the percentage  - Repeat for the second trait (total for each trait should be 100%)	
Percentages: - Garden 2A:	
- Garden 2B:	
- Garden 2C:	
- Garden 2D:	
- Garden 2E:	
- Garden 2F:	
- Garden 2G:	