

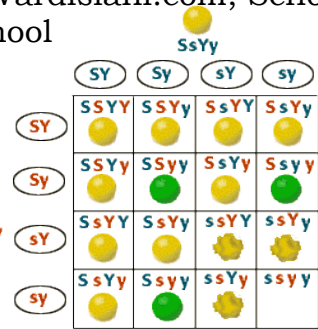
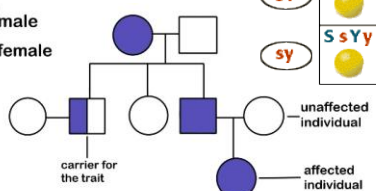
Human Genetics

Plan of the Week #9

Continue to check your progress at Wardisiani.com, [Schoolology](http://Schoolology.com) and [Power School](http://PowerSchool.com)

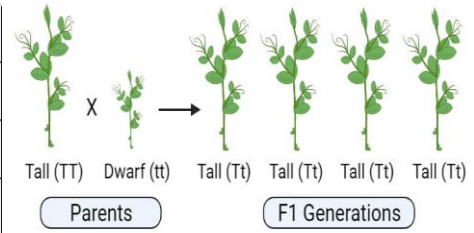
10/18 Monday:

- In-Class Review:**
 - Mono-Hybrid Cross
 - Dihybrid Cross
 - Pedigrees
- Q/A Session**



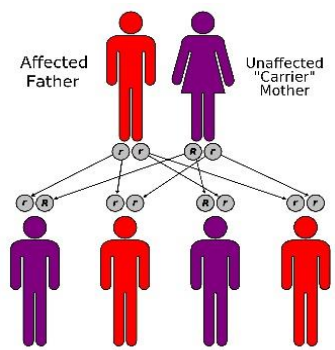
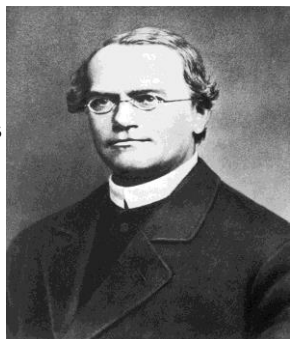
Monohybrid Cross

Definition, Steps, Examples (vs Dihybrid Cross)



10/19 Tuesday

- Bell-Ringer**
- Mendel's Laws: Extensions and Exceptions**
- Complete the Applied Questions**
 - pgs. 92 – 93: #'s 1-18



10/20 Wednesday:

- Bell-Ringer**
- Mendel's Laws: Extensions and Exceptions (continued)**



10/21 Thursday:

1/2 DAY

- ½ Day:
- **Maternal Inheritance** and **Mitochondrial Inheritance**



10/22 Friday

- **Institute Day:** Faculty
- **Non-Attendance Day:** Students



Objectives for Week #9

- Using the human genome sequence to analyze more than one gene at a time.
- Applying Mendel's first law to predict the recurrence risks of inherited disorders or traits using Pedigrees and Punnett Squares.
- Identifying the difference between mitochondria, mitochondrial genomes, and mitochondrial genes
- Solving Mendel's first law problems involving X-linked genes.
- Determining how genes and environmental factors frame most traits
- Measuring the genetic contribution to a multifactorial trait through Heritability

