

TOPIC 7: Genetics

Please use the podcast from Council Rock High School for TOPIC 7 to guide you. The podcast can be found at <http://www.crsd.org/Page/31715>

1. Match the vocab terms to their definitions.

- | | |
|------------------------|---|
| _____ Dominant allele | A. Organism with two different alleles for the same trait |
| _____ F1 generation | B. Genetic makeup |
| _____ F2 generation | C. Parental generation |
| _____ Genotype | D. Physical characteristics |
| _____ Gregor Mendel | E. Organism that has two identical alleles for a trait |
| _____ Heterozygous | F. Tool that can predict and compare genetic variation |
| _____ Homozygous | G. Allele that can be masked |
| _____ P generation | H. Priest who worked with garden peas |
| _____ Phenotype | I. First offspring generation |
| _____ Punnett Square | J. Allele that can mask other alleles |
| _____ Recessive allele | K. Second offspring generation |

2. A monohybrid cross looks at _____ trait, while a dihybrid cross looks at _____ traits at the same time.

3. What is Mendel's idea of

- Dominance?
- Segregation?
- Independent Assortment?

4. When the dominant allele does not completely mask the recessive allele, it is called _____ dominance.

- What are two examples?

5. When both alleles show up together (one is not really dominant over the other), it is called _____.

- What are two examples?

6. Sex-linked traits are those found on the _____ chromosome, and show up more in (circle one) **males / females**

7. What is genetic engineering?

- Pros?
- Cons?

