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| **Cornell Notes** | **Topic/Objective:** | **Name:** |
| Heredity/ Genetics | **Class/Period:** |
|  | **Date:**  |
| **Essential Question: - Where are genes located? Where do inherited traits come from?** |
|  |
| **Questions:** | **Notes:** |
| What are traits? |  |
|  |  |
| What are your traits  |  |
| determined by? |  |
|  |  |
| What are genes? |  |
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| Where are genes located? |  |
|  |  |
| Where does your genetic  |  |
| information come from? |  |
|  |  |
| Which cells have a full set |  |
| of chromosomes? |  |
|  |  |
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| Who is the “father of  |  |
| genetics” and what did he  |  |
| do? |  |
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| What are alleles? |  |
|  |  |
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| What are dominant alleles? |  |
|  |  |
| What represents dominant |  |
| alleles? |  |
|  |  |
| What are recessive alleles? |  |
|  |  |
| What represents recessive |  |
| alleles? |  |
|  |  |
| What is homozygous? |  |
|  |  |
|  |  Ex.  |
|  |  |
| What is heterozygous? |  |
|  |  |
|  |  Ex.  |
|  |  |
| What is genotype? |  |
|  |  |
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|  |  |
| What is phenotype? |  |
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| What is a Punnett Square? |  |
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| What does it show? |  |
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| Punnett Square Practice: | tall plant (TT) x short plant (tt) |
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|  | Genotype: |
|  | Phenotype: |
|  |  |
|  | tall plant (Tt) x tall plant (Tt) |
|  |  |
|  |  |
|  | Genotype: |
|  | Phenotyp: |
|  |  |
|  |  |
|  | tall plant (Tt) x tall plant (TT)  |
|  |  |
|  |  |
|  | Genotype: |
|  | Phenotype: |
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| How do we determine  |  |
| which allele is dominant? |  |
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| **Summary:** |
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