**INSRUCTIONS-** You will complete your write-up on a specific genetic disease based on your last name. Closely follow the guidelines in the rubric below when writing your paper. This is how you will be graded. Pay specific attention to answer each question and in the same order as is explained. This is not meant to be a 4 page paper, but should be specific and answer each question that is asked.

**DUE DATE-** ONE day after the Genetics test.

**Women**

Beta Thalassemia – Last names A - B  
Duchenne Muscular Dystrophy Last names C – D

[Sickle cell anemia](http://www.who.int/genomics/public/geneticdiseases/en/index2.html#SCA) - Last names E - F  
[Haemophilia](http://www.who.int/genomics/public/geneticdiseases/en/index2.html#Haemophilia) - Last names G - I  
[Cystic Fibrosis](http://www.who.int/genomics/public/geneticdiseases/en/index2.html#CF)-Last names J - M  
[Tay sachs disease](http://www.who.int/genomics/public/geneticdiseases/en/index2.html#ts) Last names N - P  
[Fragile X syndrome](http://www.who.int/genomics/public/geneticdiseases/en/index2.html#Fragile X Disease) Last names Q - S  
[Huntington's disease](http://www.who.int/genomics/public/geneticdiseases/en/index2.html#HD) Last names T - V

Down syndrome Last names W - Z

**Men**

Phenylketonuria (PKU) Last names A - B

Charcot- Marie- Tooth Disease Last names C- D

Cri du Chat Syndrome Last names H - J

Trisomy 13 – Patau syndrome Last names K - M

Klinefelter syndrome Last names N - O

Turner syndrome Last names P - Q

Jacobsen Syndrome Last names R - S

Bloom’s syndrome Last names T - V

Marfan Syndrome Last names W - Z

**Genetic Disorder Rubric:**

* **Use two valid sources (minimum) for your research.** **10 points**
* This should not be Wikipedia, a blog, or any other opinion type site.

* **MLA Format 10 points**
  + Typed (12 point font), double spaced.
  + The upper left-hand corner of the first page, list your name, your instructor's name, the course, and the date. Again, be sure to use double-spaced text.
* **Paragraph #1 15 points**

**Give a description of your genetic disease or disorder.**

* + Describe your disorder including the type of genetic disorder it is (chromosome, gene, mutation) and give an overview.
  + This intro paragraph should set up or introduce the rest of your essay.
* **Paragraph #2**

**Statistics and environmental factors 15 points**

* + Statistics of those who have it (in the US, other countries)?
  + Who does this disorder mainly affect (gender, age group, nationality)
  + Are there environmental factors that can affect this genetic disorder?
  + Could this disorder be a good thing for the individual or the human species from an evolution standpoint?
* **Paragraph #3**

**What are the symptoms of your disorder? How is it diagnosed?**  **15 points**

* + Be specific but make sure to not plagiarize.

* **Paragraph #4**

**Prognosis and future** . **15 points**

* + What is the fate for someone with this disorder?
  + Is it curable? Treatments?
  + If this is a disorder someone can live with, what are the chances they can pass it on to their offspring? Can just they pass on the trait or do both parents need to have it to pass it on

* **Paragraph #5 15 points**

**Interesting or Fun Facts and Conclusion**

* + Interesting or other facts about your genetic disorder.

* Cite your research sources according to MLA format **5 points**

**Total: 100 Points**