

## Genetic Disorder Research Project

Some disorders come from the environment. For example, disease like the flu or AIDS are caused by viruses that a person may become infected with. Other disorders are due to mistakes in the genes. A person is born with such disorders and are usually inherited from the parents.

For this project you will research the genetic disorder of your choice on the next page.

When you have researched your disorder type, you will produce a Google Slide presentation with the information you have collected. Presentation must include 11 slides.

You will work alone to complete this assignment. Research and work on presentation will take place for 2 days (remember to check out my website for suitable internet resources). You will share your project with me at [jpatton@gedu.sd73.bc.ca](mailto:jpatton@gedu.sd73.bc.ca)

These questions are to be researched for your genetic disorder. Each question should be thoroughly answered in the presentation

		Marks
Slide 1	Title: Name of genetic disorder	2
Slide 2	What is a genetic disorder?	5
Slide 3	What are specific symptoms of this genetic disorder? Include all major symptoms.	10
Slide 4	How is it diagnosed?	10
Slide 5	What is the treatment for this disorder? If no treatment is available, what can be done for a person with this disorder?	10
Slide 6	Can this disorder be cured? Explain how it can or why it cannot be cured.	10
Slide 7	How is the disorder inherited? Is it a dominant trait, a recessive trait, a problem with the number of chromosomes, or something else? Explain fully.	10
Slide 8	How common is the disorder? How many people have it? How many get it each year? Is it more common in men or women?	10
Slide 9	How long is the average lifespan of a person with this disorder?	5
Slide 10	What have you learned personally from researching this disorder?	10
Slide 11	List of all references that you used (MUST be in PROPER MLA Format)	10

Visual Google Slide Presentation: Slide Layout, Slide Transitions, Appropriate Graphics, Spelling/Grammar, Effectively Organized (10 marks)

**Total Marks: 102**

Genetic Disorder List:  
(choose one)

Cystic Fibrosis	Sickle Cell Disease	Parkinson's Disease
Down Syndrome Trisomy 21	Spinal Muscular Atrophy	Achondroplasia
Hemophilia	Turner Syndrome	Duane Syndrome
Neurofibromatosis	Wilson Disease	Fragile X Syndrome
Huntington's Disease	Prader-Willi Syndrome	Tay-Sachs Disease
Duchenne Muscular Dystrophy (DMD)	Thalassemia	Angelman Syndrome
Glucose-Galactose	Spinocerebellar Ataxia	Edward Syndrome Trisomy 18
Patau Syndrome Trisomy 13		