

# Biology 12 - Genetic Disorders Presentation

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## Objective of this project

- To demonstrate understanding of the DNA/Protein Synthesis Units. BC Ministry PLOs: B5, B6, B7 & B8.
- To demonstrate your ability to communicate scientific ideas effectively.

## Where do I get the information?

Feel free to use Wikipedia for this project. If using another website or info. Source, please advise.

[https://en.wikipedia.org/wiki/List\\_of\\_genetic\\_disorders](https://en.wikipedia.org/wiki/List_of_genetic_disorders)

## Topics & Rubric

This will be a short powerpoint presentation that will address the topics below. Please note the point values for each part of this project.

Criteria to be covered	Points
1. What is a genetic disorder?	/5
2. What is the name of the disorder you are studying?	/5
3. How did the disorder get its name?	/5
4. What body system(s) is the disorder affecting?	/5
5. Describe how the affected system(s) functions normally.	/10
6. What are the signs and symptoms of the disorder?	/5
7. Pathophysiology:	/20
a. How do the genetic mutations account for the condition?	
b. How is this condition inherited?	/20
8. What is the treatment for the disease, even if there is no cure?	/10
9. What is the prognosis for those who have the condition?	/5
10.	

## **Presentation details**

*Be sure to*

- include only a few details per slide. Do not “jam” too much info on one slide.
- Include at least one relevant picture per slide
- Do not resort to reading off your slides...use point form prompts to guide you through the slide
- If there is new vocabulary on the slide, make sure you know what it means and you can pronounce it properly.

## **Genetics Primer**

- Here is Khan Academy’s intro to genetics tutorial:
  - <https://www.khanacademy.org/science/biology/her/heredity-and-genetics/v/introduction-to-heredity>
- Some of you may be looking at “sex-linked” genetic disorders. Here again is Khan Academy’s tutorial on sex-linked traits.
  - <https://www.khanacademy.org/science/biology/her/heredity-and-genetics/v/sex-linked-traits>