

Genetic Disorder Research Project

Introduction

Some disorders come from the environment. For example, diseases 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. Such disorders are usually inherited from the parents.

Assignment Guidelines

For this project you will research the genetic disorder that was assigned to you in class.

When you have researched your disorder type, you will produce a Powerpoint presentation with the information you have collected. The Powerpoint presentation must include 11 slides:

- 1 Title Slide
 - Name of the genetic disorder
 - Your name and class
 - Picture
- 9 Information Slides
 - Title: 1 of the 9 questions to answer (see other side of this sheet)
 - Answer: answer to the question (bullet points, not sentences)
 - Follow the “Rule of 5” – no more than 5 bullets per slide, and no more than 5 words per bullet.
 - Picture / Graphic
- Reference Slide: all website addresses you used, cited correctly.

You will work alone to complete this assignment. Research and work on Powerpoint will take place for two days in the computer lab. A list of suggested internet resources is posted in the student drive for you:

(S: / Grade 6 / Thomas / Internet Resources for Genetic Diseases – then choose “Read Only”)

You will then present your Powerpoint before the class. You must also provide a printed copy of your powerpoint slides to Mrs. Johnson and Mrs. Thomas at the time of presentation.

Presentations will take place in random order. ***Presentation Day: Tuesday, October 25***

My Topic: _____

Questions to be Answered by Presentation

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

Title Slide 1. What is the name of your genetic disorder?

Slide 2. What are the specific symptoms of this genetic disorder? Include all the major symptoms.

Slide 3. What is the treatment for this disorder? If no treatment is available, what can be done for a person with this disorder?

Slide 4. Can this disorder be cured? Explain how it can or why it cannot be cured.

Slide 5. 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.

Slide 6. How common is the disorder? How many people have it? How many get it each year?

Slide 7. Is there a certain race it is most common in? Is it more common in men or women?

Slide 8. How long is the average life span of a person with this disorder?

Slide 9. How is the family of a person with this disorder affected?

Slide 10. What have you learned personally from researching this disorder?

Slide 11. List all references that you used.

Rubric

Time in lab well spent	2	4	6	8	10
Copy of Powerpoint slides provided	0				10
Effectively organized: Uses Q&A and "Rule of 5"	2	4	6	8	10
Information is complete	2	4	6	8	10
Shows understanding of knowledge	2	4	6	8	10
Graphics are included	2	4	6	8	10
Visual/Neatness/Spelling/Grammar	2	4	6	8	10
References included	0				10
Presentation (eye contact, volume, participation, questions answered)	4	8	12	16	20

Total out of 100 points = _____