

NAME: _____ Genetic Disorder _____

Notes and Questions: Use this page to help guide your research. All information must be filled in before beginning to build your digital poster. You must use *at least* two references for research with correct MLA citation (electronic and/or print sources permitted). Feel free to add loose leaf paper if needed for keeping track of your information.

1. Title/Introduction What is the name of your disorder? Are there any other names by which it is commonly known?

2. Mode of Inheritance:

Chromosomal Disorder: An abnormal condition due to something unusual in an individual's chromosomes. For example, Down's syndrome is a chromosome disorder caused by the presence of an extra copy of chromosome 21.

Which chromosome caused this disorder? How is this chromosome affected? Chromosome disorders are not usually dominant or recessive like gene disorders. Instead, your answer may be something like monosomy (a missing chromosome), trisomy (an extra chromosome), deletion (large portion of chromosome missing) or addition (large portion of chromosome repeated). Are there any genes that are lost that affect the individual?

Gene Disorder: A disease or condition caused by a recessive or dominant gene; or an absent or defective gene.

What is the name of the gene that is causing this genetic disorder (what is the full name as well as the initialed version)? Which chromosome is this gene located on? Is this caused by a random mutation or is there an inheritance pattern (Dominant? Recessive?)? Explain what protein the gene SHOULD make and how it is affected now.

3. Clinical description and symptoms of the disorder- Summarize symptoms the person exhibits (what symptoms or characteristics indicate the disorder?). What are the effects on the patient's body and lifestyle? How common is this disorder? How long do people usually live with this disorder? You may want to search terms such as "life expectancy".

4. Treatments for the genetic disorder? What does one do to manage their condition? What is the prognosis for survival &/or living with the disorder? Include any support groups.

MLA cited sources: (Use page 11 & 12 in your planner).

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