**AP Biology**

**GENETIC DISORDER PROJECT- Evaluation Sheet**

Presenter Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**--INFORMATION SHEET/RUBRIC**

**Your assignment is to obtain information on the genetic disorder/disease of your choice. To prevent duplication, be sure to sign your name next to the disorder/disease sheet on the Google sheet for this class period. Post final Google Slide show on class slide show.**

 **DUE February 27 BOP.**

8 pts. Q/E/SP

Big Idea 3.A.3



You should include the following:

**(1)A. Name of disorder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Brief description of the disorder. What is it?

**(1)B. Cause/pattern of inheritance** *(which of the following?)*

Explain what is thought to cause this disorder. Try to be specific.

* Is it an autosomal dominant gene?
* Is it an autosomal recessive gene?
* Is it a sex-linked gene?
* Is it a result of non disjunction?
* Is it inherited in some other way?

**(1)C. Facts about the disease**

* How often does this occur in the population?
* Is it more frequent among men or women?
* Is it more common in one ethnicity?

**(1)D. Symptoms**

* What are the symptoms of a person who has this condition?
* What are some of the daily challenges faced by the individual and family?

**(1)E. Testing and Screening**

* What kinds of tests can determine whether a person has the condition or not?

**(1)F. Treatment**

* What types of treatments are available for persons who have been confirmed to have the disease?
* Is the disease life-ending?

**(1)G. Interesting facts**

* *Include at least 3 interesting facts*

**(1)H. Picture/illustration/diagram related to the disorder**

* **Include a pedigree chart to show possible patterns of inheritance**
* **Include a Punnet square to show patterns of inheritance**
* If non applicable **explain** why not.

**(1)I. At least 2 peer-reviewed cited sources- MLA format**

**(2)J. Provided commentary/overview of current research relating to this disorder.**

**(1)K. Kept eye contact with the audience, voice can be heard, and was able to answer questions**

**(3)M. Clearly explained some of the social, ethical and medical issues associated with this disorder?**

**(1)N. Thoughtful/insightful response to Q & A questions posted to group in Google Slides**

**\_\_\_/16 pts/2 = \_\_\_\_8pts Q/E/SP**