Biology Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Genetic Counselor for a DAY:**

This project counts as the lab grade for Unit 4!

Brief “Counseling Sessions” on Wednesday March 19th.

**Your Assigned Patient Disorder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Genetic counselors help provide guidance to people at risk of passing on an inherited genetic disorder to their children. By providing relevant information you will help the parents to create a plan to help them prepare for the birth of their child. You (**the genetic counselor**) will **prepare a report, fact sheet,** **or brochure** to present to the parents you are counseling. You must explain all information pertinent to a genetic disorder detected in their child. The mother is pregnant and is not aware that the child has the disorder – your counseling session will be the first time the parents have heard that their child has a genetic disorder.

* How was your disease detected? Explain how the test works. *(e.g. a karyotype test)* *3 points*
* What is the common name of the disorder the child has? Are there any other names for the disorder? *(e.g. Down’s syndrome is also called Trisomy-21) 5 points*
* Explain to the parents, using charts or diagrams, why (biologically) the disorder occurred. Be very detailed. *10 points*
* Explain the effects of the child’s disorder to the parents. (Include things like life expectancy, expected mental and physical outcomes, etc…) *10 points*
* What (if any) treatment options are available? *5 points*
* Tell the parents about two medical or support groups that they could contact to receive further information about their child’s disease. *2 points*

**YOU MUST INCLUDE AT LEAST THREE CITATIONS!!! You may NOT use Wikipedia, WebMD, etc. as sources.**