

# Genetic Disorders

Write out the answers to the questions in your own words by using the following websites:

1. For this website make sure you look at what Chromosome Abnormalities are. If you don't understand a term that is highlighted in blue click on it to find out what it means.

<http://gslc.genetics.utah.edu/units/disorders/whataregd/>

2. This is a great website to help you understand what a genetic disorder really is and how it occurs. Read through the article and play the slide shows of any term you don't understand.

<http://gslc.genetics.utah.edu/units/disorders/karyotype/karyotypeinfo.cfm>

1. What is and what causes a Genetic Disorder?

2. What is a karyotype?

# Down Syndrome

Write out the answers to the questions in your own words by using the following websites:

1. For this website the “Background” and “Medical” topics both have helpful information.

<http://www.nas.com/downsyn/faq.html>

2. Read through this main page and click on “Dr. Len Leshin’s essay.”

<http://www.growthcharts.com/>

1. What causes this genetic disorder?

2. What are some of the characteristics seen in your child as a result of this disorder?

3. Assume that your next two children have Down syndrome. What is the probability of this occurring?

# Hemophilia

**Write out the answers to the questions in your own words by using the following websites:**

1. Read through this first article and for more information you can click on “About Hemophilia” to bring up more topics to search.

<http://www.wfh.org/ShowDoc.asp?Pubrique=28&Document=402>

2. This article has a lot of great information about what hemophilia is and what it’s like to live with it.

[http://kidshealth.org/teen/diseases\\_conditions/blood/hemophilia.html](http://kidshealth.org/teen/diseases_conditions/blood/hemophilia.html)

**1. What causes this genetic disorder?**

**2. What are some of the characteristics seen in your child as a result of this disorder?**

**3. Assume that your next two children have Hemophilia. What is the probability of this occurring?**

**Now, summarize your learning of genetic disorders, Down Syndrome, and Hemophilia and create it into a report for the intern.**