**Life Before Birth – Assignment**

**100 Points Possible**

Directions:

1. Using the CDC Website listed below, research the 10 most common birth defects, choose at least one from each of the areas listed below.
2. Using Word or Excel create a chart/table that lists & explains the following for each of the 10 that you choose.

* Define the birth defect & if it could be prevented, explain how.
* At what stage of development does the birth defect take place?
* How many babies are affected each year?
* How often does the birth defect occur?
* Explain any treatments.

**Birth Defects**

<https://www.cdc.gov/ncbddd/birthdefects/index.html>

Brain/Spine Defects Eye Defects Heart Defects

Mouth/Face Defects Muscle/Bone Defects Stomach/Intestine Defects

Chromosome (Gene) Defects

**Video Links**: As you watch these, please take into consideration all the things that need to happen in just the right order for a child to survive and be born.

**Conception explained (2:05)**

<https://www.youtube.com/watch?v=DGyRD9HnXVs>

**9 Months in The Womb: A Remarkable Look At Fetal Development Through Ultrasound (4:37)**

<https://www.youtube.com/watch?v=WH9ZJu4wRUE>

**Fetal development month by month: Stages of Baby Growth in the Womb** (6:36)

<https://www.youtube.com/watch?v=WtDknjng8TA>

**5 reasons your doctor may recommend genetic counseling during pregnancy**

[**https://www.geisinger.org/health-and-wellness/wellness-articles/2018/04/12/18/34/5-reasons-your-doctor-may-recommend-genetic-counseling-during-pregnancy**](https://www.geisinger.org/health-and-wellness/wellness-articles/2018/04/12/18/34/5-reasons-your-doctor-may-recommend-genetic-counseling-during-pregnancy)

**Genetic counselors** work as members of a healthcare team, providing risk assessment, education and support to individuals and families at risk for, or diagnosed with, a variety of inherited conditions. **Genetic counselors** also interpret **genetic** testing, provide supportive **counseling**, and serve as patient advocates.

**Education-Clinical Skills (these are just a few of the clinical skills needed to become a Genetic Counselor.)**

[**https://www.nsgc.org/page/online-store-clinical-skills**](https://www.nsgc.org/page/online-store-clinical-skills)

1. Type a one-page paper - You are the Genetic Counselor assigned to the parents to be. Using the information found in the link above to help with your explanations below:
   1. Explain what it means to provide supportive counseling.
   2. Explain what it means to serve as a patient advocate.
   3. After looking at the Clinical Skills listed in the link above, explain why this would be a career choice for you or why it would not.

**Assignment Rubric:**

50 Points Possible: **Word or Excel create a chart/table** that lists & explains the following for each of the 10 that you choose.

50 Points Possible: one-page paper - You are the Genetic Counselor

Email the above assignment to: [deanna.stewart@cobbk12.org](mailto:deanna.stewart@cobbk12.org)

**Date Due:**

**Any time between Thursday, April 23rd- Thursday, April 30**

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