Atypical Meiosis Assignment

You will be given one class period to research various Nondisjunction disorders on the Internet. You must find for

**4 different syndromes or chromosomal diseases (defects)**.

If you do not complete it during this class period you will either have to complete it at home or sign up for the computer lab for independent study for Friday, November 7, 2014. **Assignment due MONDAY – NOVEMEMBER 10/2014**

The information must be typed up or NEATLY written up.

**CITE all references – no references = mark of ZERO**

For each nondisjunction disorder find the following information:

* What is the name of the syndrome? Any reason for the specific name? (2 pts)
* How many chromosomes are missing or added (genotype)? (2 pts)
* What pair is the addition or deletion? (2 pts)
* What are the physical characteristeristics or traits (phenotype)? (2 pts)
* Are there any mental delays or learning issues related to this chromosomal disorder? (2 pts)
* What other health issues occur due to this nondisjunction? (2 pts)
* How does it affect the development of the individual from birth to adulthood? (2 pts)
* Are they able to reproduce? (2 pts)
* How common is it in births ( example 1 in every 20000 births) ? (2 pts)
* Is it specific to a certain sex (male or female, can occur in both)? (2 pts)
* Is there a known cause for this syndrome? (2 pts)
* If you are able to find photos to illustrate the physical issues associated with the syndrome you can add that to your write up. (2 pts)
* Any additional information that is important should be added to your write up. (Bonus points)