

Genetic Disease/ Disorder Research

Date due _____

You have just discovered that a close friend is going to have a baby that has been diagnosed with a genetic disorder. You would like to develop a presentation with complete information about the problem. You will research one of the following genetic diseases (assigned in class by desk number) and collect the following information:

1. Name of disease, your name, period
2. General description/symptoms
3. Specific genetic cause
4. Diagnosis (amniocentesis, ultrasound, karyotype, blood test etc.)
5. Treatment
6. Interesting facts (history, population most affected, how named, who discovered etc.)
7. Bibliography (at least 3 references for text and visuals written in A.P.A. format with active hyperlinks)

After you have researched the information you will then make a PowerPoint presentation (at least 7 slides as listed above- you will probably need more), typing the information and using at least one visual with caption to go with the text on each slide). Visuals may be drawn and scanned, copied from a book, pamphlet, etc. and scanned or copied from the Internet. Appropriate reference information must be included on the bibliography slide. Text information must be written as “bullets” in text boxes not narrative form. Bibliography should be written in APA format and divided into two parts: visuals and text.

Remember not to plagiarize!!! Plagiarism = “0” for the project!!!

Be ready to give a 10 min. presentation to discuss the disease thoroughly with the class! When you give your presentation you should remember the following:

1. Discuss with the class. Do not read from the screen or notecards.
2. Know the meaning and pronunciation of any words you use in your presentation.
3. Use colors and fonts that are large enough for a large group to see.
4. Speak loud enough for everyone in the room to hear.

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| 1. Sickle cell anemia | 14. Fragile X syndrome |
| 2. Tay Sachs disease | 15. Klinefelter syndrome |
| 3. Cystic Fibrosis | 16. Turner syndrome |
| 4. Thalassemia | 17. Edward syndrome (Trisomy 18) |
| 5. Duchenne Muscular Dystrophy | 18. Cri Du Chat |
| 6. Phenylketonuria (PKU) | 19. Cleft lip/cleft palate |
| 7. Marfan Syndrome | 20. Patau syndrome(trisomy 13) |
| 8. Progeria | 21. Waardenburg syndrome |
| 9. Down Syndrome(Trisomy 21) | 22. Prader-Willi syndrome |
| 10. Spina Bifida | 23. Albinism |
| 11. Achondroplasia(dwarfism) | 24. Blue Rubber Bleb Syndrome |
| 12. Huntington's disease | 25. Autism(possible genetic link) |
| 13. Hemophilia | |