

Monday Feb 3rd

Lesson 6.9 Genetic Disorder Brochure and Gallery Walk Name **-US**
 Date **-UK, France**
 Period **-Germany**

Genetic disorders are hereditary conditions caused by defective genes. You will sign up to research a genetic disorder. Once you research your disorder, you will construct an informational brochure to educate your classmates about the disorder. When you create your brochure, you must include the following information:

- ✓ 1. How many people live with the disease in the U.S.? Worldwide? **at least two statistics** → X **- Australia**
- ✓ 2. How is the disease passed on? **Search patterns of inheritance: autosomal, sexlinked, mutation**
- ✓ 3. The genotype of individuals who have the disease. Can explain a punnet square → 1-22 (DOMINANT OR RECESSIVE)
- ✓ 4. The genotype of individuals who don't have the disease.
- ✓ 5. Phenotype of individuals who have the disease. (**Symptoms/physical or internal appearance**)
- ✓ 6. Treatments/ Cures 7. anything else interesting

	Excellent 5 points	Good 4 points	Satisfactory 2 – 3 points	Unacceptable 0 – 1 points
Genetic Information	<ul style="list-style-type: none"> • Questions 1-6 expertly answered. • All information accurate. 	<ul style="list-style-type: none"> • 4 of the 6 questions are answered. • Information accurate. 	<ul style="list-style-type: none"> • Some information missing and/ or information is inaccurate. 	<ul style="list-style-type: none"> • Little to no genetic information included.
Other Information	<ul style="list-style-type: none"> • Information regarding the phenotypes and treatments/ cures excellent. • Detailed and accurate. 	<ul style="list-style-type: none"> • Information included about phenotypes and treatments/ cures. 	<ul style="list-style-type: none"> • Information included about phenotypes or treatments/ cures. • Information lacking. 	<ul style="list-style-type: none"> • Little to no information about phenotypes and treatments/ cures included.
Overall Appearance	<ul style="list-style-type: none"> • Final product is neat and organized. • Color, pictures, and graphics are used effectively to beautify the product. 	<ul style="list-style-type: none"> • Final product is neat and organized. • Color, pictures and graphics are present. 	<ul style="list-style-type: none"> • Final product is lacking in neatness and organization. • Color, pictures or graphics are used. 	<ul style="list-style-type: none"> • Final product is disorganized. • No graphics, pictures or color is used.
Grammar & Spelling	<ul style="list-style-type: none"> • There are no spelling or grammatical errors. 	<ul style="list-style-type: none"> • Less than 3 errors in spelling or grammar are present. 	<ul style="list-style-type: none"> • Less than 5 errors in spelling or grammar are present. 	<ul style="list-style-type: none"> • More than 5 errors in spelling or grammar are present.

- You will have 50 minutes in the library to gather research
- The final brochure must be **hand written**, no typed labels **plus notes/bibliography 5 pts.**
- The brochure will be worth 20 points
- The gallery walk and notes will also be worth 20 points **Need all your notes to turn in for points**

LIBRARY PRESENTATION NOTES: Record notes from the library presentation.
 Website: **SRHS library** -> scroll down to **SIRS database**
mayo clinic

Resources: *** NIH.gov (federal database)**
*** www.genome.gov** -> search genetic disorders
most diseases have own websites/foundations
rare disease.info.nih.gov

Book Locations: **Stay away from google searches or wikipedia**
Look at genetic foundation

LIBRARY RESEARCH NOTES: On a separate piece of paper record notes on your research. Be sure to look at the topics you need to include in your project on the front side of your lesson. **These notes need to be turned in with your lesson and project.**

Include bibliography of 3 sources (can include images)
 - can find **Bibme** on school library page or on my website