Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Genetic Disorder Research**

My table number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

My assigned disorder is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How common is it? Who is normally affected? (Old, young, men, women, people in a certain place)
2. What is wrong with the DNA? How is it carried? Is it a dominant or recessive gene? A deleted chromosome? An extra chromosome?
3. What problem does the defect in the DNA cause?
4. Please write a basic description of your disorder. What are the symptoms? How can doctors or parents recognize the disease?
5. How do people with this disorder need to adapt their life?
6. Find at least 3 interesting facts about your disorder.
7. Find some **appropriate** pictures of people with this disorder on the iPad. Take a screenshot (power button + home button) to show in your presentation.

|  |  |  |
| --- | --- | --- |
| **Disorder Name** | **Problem in DNA** | **Symptoms and how it affects life** |
| Phenylketonuria (PKU) |  |  |
| Maple Syrup Urine Syndrome |  |  |
| Cystic Fibrosis |  |  |
| Huntington’s Disease |  |  |
| Marfan Syndrome |  |  |
| Down Syndrome |  |  |
| Sickle Cell Anemia |  |  |
| Cri du Chat |  |  |
| Tay Sachs Disease |  |  |
| Apert’s Syndrome |  |  |
| Angelman Syndrome |  |  |
| Hemophilia |  |  |