| Human Genome Project Chromosome # |
| --- |
| [Your Names] |
| Chromosome information |
| How many base pairs are in your chromosome?What percentage of the genome is your chromosome?How many genes are on your chromosome?What are a few interesting facts about your chromosome? |
| genetic disorders found on your chromosome |
| List 3 common disorders found on your chromosome.  * . |
| (Choose 1 of the COMMON disorders to research and type that disorder here) |
| 1. Definition of your genetic disorder 2. Name and explanation of your disorder 3. How prevalent is your disease (what are the chances of having this genetic disorder) 4. What countries is this rare disease/disorder found in? 5. How does this disease/disorder affect everyday life? (A day in the life of…) 6. What is the social and economic impact on the family    1. Does the disorder require expensive medication    2. Hospitalizations or surgeries?    3. Require constant supervision (does someone have to stay home with them) 7. Make a Public Service Announcement video to help raise awareness   Add any interesting facts or pictures you found about your disorder (at least 3 only 1 can be a picture) |
| sources – list any websites you accessed to find information |
| Chromosome Information:  <http://tinyurl.com/chromosomeproject>  When doing your search on your genetic disorder use the following search engine: (DO NOT USE ask.com or answers.com as they are NOT a reliable resource)  [www.safesearchkids.com](http://www.safesearchkids.com) |

**Rubric**

1. Accurate chromosome information 10 points \_\_\_\_\_\_\_\_\_\_
2. Definition of a disorder/disease 10 points \_\_\_\_\_\_\_\_\_\_\_\_
3. Name and Explanation of your disease/disorder 10 points \_\_\_\_\_\_\_\_\_\_\_
4. How prevalent is your disease/disorder 5 points \_\_\_\_\_\_\_\_\_\_\_
5. What countries is this rare disease/disorder found in? 5 points \_\_\_\_\_\_\_\_\_\_\_\_
6. How does this disease/disorder affect everyday life? 10 points \_\_\_\_\_\_\_\_\_\_\_
7. What is the social and economic impact on the family 5 points \_\_\_\_\_\_\_\_\_\_\_
   1. Does the disorder require expensive medication
   2. Hospitalizations or surgeries?
   3. Require constant supervision (does someone have to stay home with them)
8. Spelling /Grammar (capitalizations/punctuation) 5 points \_\_\_\_\_\_\_\_\_\_\_
9. Public Service Video – accurate, easy to understand, clear message 30 points \_\_\_\_\_\_\_\_\_\_\_
10. Presentation of video – Loud, clear, easy to understand (no laughing) 10 points \_\_\_\_\_\_\_\_\_\_\_

**Total\_\_\_\_\_\_\_\_/100 points**