

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

# GENETIC DISORDER RESEARCH

## INTRODUCTION

There are thousands of genetic disorders that affect humans, some of which can have profound effects on a person's quality of life. Genetic disorders are passed from parents to offspring in the genetic code, and in some cases, a person may be a carrier for a disease and pass it to their children without knowing. Because genetic diseases are usually caused by errors or mutations in the genetic code, it is extremely difficult to cure the condition, and in most cases, doctors can only treat the symptoms. In this research, you will explore a genetic disease and create a poster for the class about the disease you researched.

I will be researching \_\_\_\_\_

My partner is \_\_\_\_\_

WHAT IS IT?	Symptoms (at least 3)	
	Incidence (Who gets it/how many people get it)	
	Inheritance (1 fact)	
	Cause (2 facts)	
	Testing & Screening (2 facts)	
	Treatment (2 facts)	

**WHAT CAUSES IT?**  
(3 facts)

**HOW IS IT  
INHERITED?**  
(3 facts)

**HOW IS IT  
DIAGNOSED?**  
(5 facts)

**HOW IS IT  
TREATED?**  
(3 facts)

**WHAT IS IT LIKE TO  
HAVE IT?**  
(5 facts)

# Websites for Genetic Disorders

Achondroplasia dwarfism	<a href="http://www.medicinenet.com/Achondroplasia/article.htm">http://www.medicinenet.com/Achondroplasia/article.htm</a> <a href="http://www.achondroplasia.co.uk/">http://www.achondroplasia.co.uk/</a>
Albinism	<a href="http://www.cbc.umn.edu/iac/facts.htm">http://www.cbc.umn.edu/iac/facts.htm</a> <a href="http://www.albinism.org/">http://www.albinism.org/</a>
Color blindness	<a href="http://www.preventblindness.org/eye_problems/colorvision.html">http://www.preventblindness.org/eye_problems/colorvision.html</a>
Cri du Chat syndrome	<a href="http://www.specialchild.com/archives/dz-012.html">http://www.specialchild.com/archives/dz-012.html</a>
Cystic fibrosis	<a href="http://www.aarc.org/patient_education/tips/cystfibr.html">http://www.aarc.org/patient_education/tips/cystfibr.html</a> <a href="http://yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=cf">http://yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=cf</a>
Diabetes mellitus	<a href="http://www.joslin.harvard.edu/education/library/wfewfact.shtml">http://www.joslin.harvard.edu/education/library/wfewfact.shtml</a> <a href="http://www.joslin.harvard.edu/education/library/wfewfact.shtml">http://www.joslin.harvard.edu/education/library/wfewfact.shtml</a> <a href="http://www.joslin.harvard.edu/education/library/wfewfact.shtml">http://www.joslin.harvard.edu/education/library/wfewfact.shtml</a>
Down Syndrome	<a href="http://www.nichcy.org/pubs/factshe/fs4txt.htm">http://www.nichcy.org/pubs/factshe/fs4txt.htm</a> <a href="http://www.nas.com/downsyn/faq1.html">http://www.nas.com/downsyn/faq1.html</a>
Hemophilia	<a href="http://www.hemophilia.org/bdi/bdi_types1.htm">http://www.hemophilia.org/bdi/bdi_types1.htm</a> <a href="http://www.wfh.org/ShowDoc.asp?Rubrique=28&amp;Document=42">http://www.wfh.org/ShowDoc.asp?Rubrique=28&amp;Document=42</a>
Huntington's Disease	<a href="http://www.hdsa.org/edu/fast_facts_brochure.html">http://www.hdsa.org/edu/fast_facts_brochure.html</a> <a href="http://www.huntington-assoc.com/huntin.htm">http://www.huntington-assoc.com/huntin.htm</a>
Marfan Syndrome	<a href="http://www.marfan.ca/syndrome.htm">http://www.marfan.ca/syndrome.htm</a> <a href="http://yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=marfan">http://yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=marfan</a>
Phenylketonuria (PKU)	<a href="http://www.noah-health.org/english/pregnancy/march_of_dimes/birth_defects/pkuinfo.html">http://www.noah-health.org/english/pregnancy/march_of_dimes/birth_defects/pkuinfo.html</a> <a href="http://yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=pku">http://yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=pku</a>
Recklinghausen Disease (NF Disease)	<a href="http://www.medstudents.com.br/neuro/neuro7.htm">http://www.medstudents.com.br/neuro/neuro7.htm</a> <a href="http://www.whonamedit.com/synd.cfm/1207.html">http://www.whonamedit.com/synd.cfm/1207.html</a>
Sickle Cell Anemia	<a href="http://kidshealth.org/parent/medical/heart/sickle_cell_anemia.html">http://kidshealth.org/parent/medical/heart/sickle_cell_anemia.html</a> <a href="http://www.ama-assn.org/insight/spec_con/patient/pat051.pdf">http://www.ama-assn.org/insight/spec_con/patient/pat051.pdf</a>

Tay-Sachs Disease	<a href="http://www.noah-health.org/english/pregnancy/march_of_dimes/birth_defects/taysachs.html">http://www.noah-health.org/english/pregnancy/march_of_dimes/birth_defects/taysachs.html</a> <a href="http://www.yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=tay&amp;section=whatisit&amp;video=0">http://www.yourgenesyourhealth.org/ygyh/mason/ygyh.html?syndrome=tay&amp;section=whatisit&amp;video=0</a>
Thalassemia	<a href="http://www.kidshealth.org/parent/medical/heart/thalassemiias.html">http://www.kidshealth.org/parent/medical/heart/thalassemiias.html</a> <a href="http://www.thalassemia.com/faq/index.shtml">http://www.thalassemia.com/faq/index.shtml</a>
XXX Syndrome	<a href="http://www.rarediseases.org/search/rdbdetail_abstract.html?disname=Triplo%20X%20Syndrome">http://www.rarediseases.org/search/rdbdetail_abstract.html?disname=Triplo%20X%20Syndrome</a>
General Websites	<a href="http://www.yourgenesyourhealth.org">www.yourgenesyourhealth.org</a> <a href="http://www.ygyh.org/">http://www.ygyh.org/</a> <a href="http://www.alex.com/browse?CategoryID=43396">http://www.alex.com/browse?CategoryID=43396</a>