

Lesson 2 Understanding Inheritance (continued)

Main Idea**Human Genetic Disorders**

I found this information on page _____.

Genes and the Environment

I found this information on page _____.

Details

Classify five genetic disorders humans can inherit. Specify what type of inheritance causes each disorder.

Disorder	Type of Inheritance
Huntington's disease	
Sickle-cell disease	
Cystic fibrosis	
Hemophilia	
Down syndrome	

Model how two heterozygous parents who do not have a genetic disorder can produce a child who does. Draw a pedigree of two generations using C for a dominant allele and c for a recessive allele that carries a disorder.

Analyze how environment can affect an organism's phenotype by using heart disease as an example.

SUMMARIZE IT

Summarize the main ideas of the above sections.