

Modern Genetics ▪ 6.2 Review and Reinforce**Human Genetic Disorders****Understanding Main Ideas**

Complete the table below. Then answer the questions that follow.

Human Genetic Disorders

| Disorder | Type of Allele | Effects on Body |
|---------------------|----------------------|--|
| 1. _____ | 2. _____ | Abnormally thick mucus in lungs and intestines |
| Sickle-cell disease | 3. _____ | 4. _____ |
| 5. _____ | Recessive sex-linked | Blood clots poorly. |

Write your answers on a separate sheet of paper.

- How does a person with one sickle-cell allele differ from a person with two sickle-cell alleles?
- Why is hemophilia more common in males than in females?
- Explain what causes Down syndrome.

Building Vocabulary

If the statement is true, write true. If it is false, change the underlined word to make it true.

- _____ 9. A genetic disorder is an abnormal condition that a person inherits through genes or chromosomes.
- _____ 10. Genetic counseling is a chart or “family tree” that tracks which members of a family have a particular trait.
- _____ 11. A picture of all the chromosomes in a cell is called a genotype.