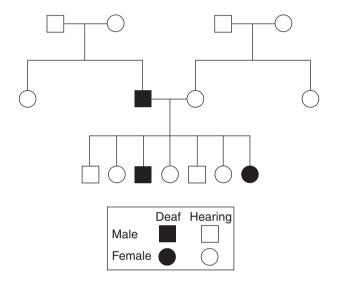
Chapter 14 The Human Genome

Chapter Vocabulary Review

Completion *On the lines provided, complete the following sentences with one of the following terms:*

autosomes karyotype pedigree polygenic sex chromosomes

- 1. A picture of chromosomes arranged in pairs is an example of a
- **2.** The X and Y chromosomes are called the ______
- **3.** The 44 chromosomes that are not involved in sex determination are the known as the _______.
- **4.** The chart below, showing how a trait is passed from one generation to the next in a family, is called a _______.



5. Traits that are controlled by many genes are ______

Multiple Choice On the lines provided, write the letter of the answer that best completes the sentence or answers the question.

- ____
- **6.** Genes located on X or Y chromosomes are called
 - a. sex organs.

c. a pedigree.

b. autosomes.

d. sex-linked.

- ______ 7. One e
 - 7. One example of a sex-linked disorder is
 - a. sickle cell disease.

c. Down syndrome.

b. hemophilia.

d. Tay-Sachs disease.

- **8.** Nondisjunction results in a(an)
 - a. abnormal number of traits.
- c. normal number of genes.
- b. abnormal number of chromosomes.
- d. normal number of chromosomes.

Name		Class	Date	
	9. What happens when non	disjunction occurs?	?	
a. Chromosomes fail to separate.				
b. Chromosomes separate normally.c. The person develops colorblindness.				
	10. How is DNA fingerprint	How is DNA fingerprinting commonly used?		
a. to convict criminals or overturn convictions				
	b. to sequence all human DNA			
c. to rapidly sequence DNA with computers				
	d. to identify and locate	d. to identify and locate human genes		
	11. DNA samples for human	11. DNA samples for human DNA fingerprinting can be obtained from		
	a. Escherichia coli.	c.	Drosophila melanogaster.	
	b. viruses.	d.	human blood.	
13. Why as	re the X and Y chromosomes calle	ed sex chromosome	es?	
14. How n	nany autosomes are found in a hu	ıman diploid cell?		
	ype of chart would help a genetic it through the generations of a fa		e passage	

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