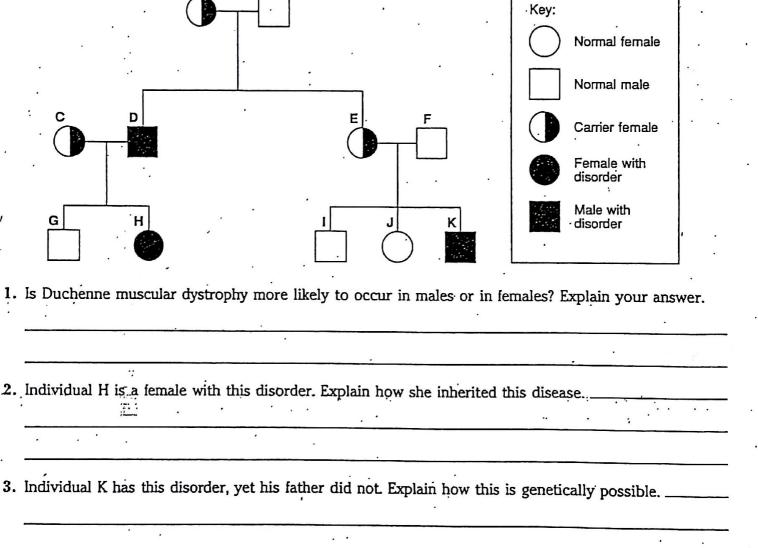
Name	Class	·	Date		
CHAPTER 11		WILL ACTIV			
Human Heredity Section 11-3	SKILL ACTIVITY—— Interpreting diagrams				

Applied Genetics

A. Duchenne muscular dystrophy is a deadly disorder in which the muscles grow progressively weaker. The disease is caused by a recessive gene on the X chromosome. The pedigree chart below illustrates the inheritance of this gene. Use the chart to answer the questions that follow.



4. Individual G does not have the disease, yet his mother was a carrier and his father had the disease.

Explain how this is possible.

by male offspring?	·				
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funtington disease, a c e. The pedigree chart t ease. Use the chart to a	oelow illustrates a far	nily with individ	_		nt
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	A B hh		· .		
			,	Key:	nale
C D	E F	G H		Ma Ma	
		M . N		П dis	ntington ease
J K Hh	Hh		НН	h No	rmal gene
•	•				·
What is the probable	genotype of individua	d D? Explain you	ur answer		
-	Ξ,				
What are the probable		hale H and 12 Fr	volain vour at	newer	
what are the probable	genotypes of marvio	iuais II ailu I: L	apiani you u		• .
What is the probabilit	y that N will not have	Huntington dis	ease?	· · · · · · · · · · · · · · · · · · ·	
Which individuals can	be determined to ha	ve Huntington d	lisease?	 	 :
dentify the individuals				more informat	ion
dentity the marvidaes	, made game 31		•		