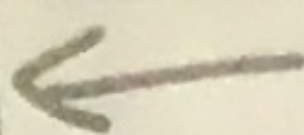


Romanov Assignment

13.

	X_0	Y
X_0	$X_0 X_0$	$X_0 Y$
X_H	$X_H X_0$	$X_H Y$

Alexis acquired hemophilia from his mother, who was a carrier of the mutation.



14.

	X_H	Y
X_0	$X_H X_0$	$X_0 Y$
X_H	$X_H X_H$	$X_H Y$

Only males on the chart got hemophilia because in each instance, only one parent was a carrier of the mutation. In order for a female to have gotten it, she would have need two affected parents.