## **The Genetics of Blood Disorders**

1. If a female is a carrier for hemophilia $\ X^H \ X^h$ and is married to a man with hemophilia $\ X^h \ Y$ , what is the probability that she will have a daughter with hemophilia?
2. A normal female marries a man who has hemophilia . (You'll need to figure out the genotypes). What percentage of their sons will have hemophilia?
3. If a female has hemophilia and is married to a normal man. What percentage of her sons will have hemophilia?
What percentage of her daughters will have hemophilia?

