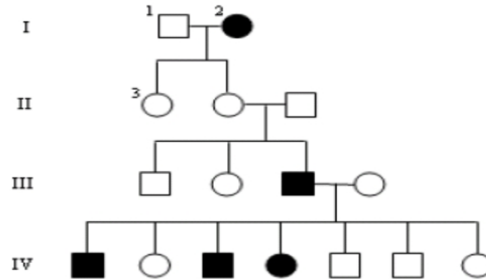


Pedigree Worksheet

KEY KEY KEY KEY KEY KEY

Interpreting a Human Pedigree

Use the pedigree below to answer 1-5



1. In a pedigree, a square represents a male. If it is *darkened* he has *hemophilia*; if *clear*, he had normal blood clotting.
 - a. How many males are there? **8**
 - b. How many males have hemophilia? **3**
2. A circle represents a female. If it is *darkened*, she has *hemophilia*; if *open* she is normal.
 - a. How many female are there? **8**
 - b. How many females have hemophilia? **2**
3. A marriage is indicated by a horizontal line connecting a circle to a square.
 - a. How many marriages are there? **3**
4. A line perpendicular to a marriage line indicates the offspring. If the line ends with either a circle or a square, the couple had only one child. However, if the line is connected to another horizontal line, then several children were produced, each indicated by a short vertical line connected to the horizontal line. The first child born appears to the left and the last child born appears to the right.

	D	D
d	Dd	DD
d	Dd	Dd

	A	a
A	AA	aA
a	Aa	aa

	A	a
a	Aa	aa
a	Aa	aa

	D	d
d	Dd	dd
d	Dd	dd

on the outside of the Punnett square stand for? _____

13. What do the letters c