

Tutorial #8 - McClown Pedigree

Name _____

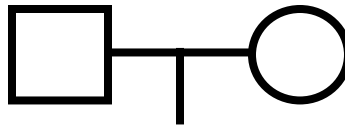
You will make a pedigree for baldness in the Bozo McClown family. Remember male pattern baldness is a sex-linked trait. Listen to the tutorial to learn how to complete the McClown Pedigree. This tutorial combines sex-linked traits (Tutorial 7) and pedigrees (Tutorial #3b)

Bald Bozo and his non-bald wife Laura have four children. Bald Bob, non-bald Nichole, non-bald Nancy, and non-bald Ned.

Bob marries bald Barbara and they have two bald boys.

Ned marries non-bald Denise and they have one child, bald Barry.

Nancy marries bald Stan, they have three male children, none bald, and one bald female child.



Pedigree Problems

Name _____

Male Pattern Baldness is a sex-linked characteristic in humans.

Using the table, write the possible genotype of ALL the individuals above their shape.

5 females will have dominant phenotypes, but unknown genotypes ($X^B X^?$).

Circle the 5 unknown genotypes

- $X^B X^B$ = Normal Woman
- $X^B X^b$ = Carrier Woman
- $X^b X^b$ = Bald Woman
- $X^B Y$ = Normal Man
- $X^b Y$ = Bald Man

