Analytical Questions

1. Fill out the blanks in the pedigree above to delineate (1) generation no. and (2) individual identifications.

2. Continue to fill out the pedigree with the following additional information regarding inheritance patterns of an unknown (U), sex-linked dominant disease:
   a. Individuals I-1, II-1, II-3, II-5, and III-2 are affected.
   b. Individuals I-2, II-2, II-4, and III-1 are unaffected.

3. Answer the following questions and add the genotypes to the chart:
   a. What are the genotypes of P1? ____________________________
   b. What are the genotypes of F1? Of II-1? __________________________
   c. What are the genotypes of F2? ____________________________

4. If III-2 has children with an affected male, what proportion of the offspring are expected to be affected? ________