

- C1. One would conclude that she has a deletion of the gene that the probe recognizes. To clone this gene, one could begin with a marker that is known to be near band p11 and walk in either direction. This walking experiment would be done on the DNA from a normal person and compared to the DNA from the person described in the problem. At some point, the walk would yield a clone that contained a deletion in the abnormal person, but the DNA would be present in a normal person. This DNA fragment in the normal person should also hybridize to the probe.
- C2. A. Yes.
B. No, this is only one chromosome in the genome.
C. Yes.
D. Yes.
- C3. A. False, they do not have to carry genes.
B. True.
C. False, the marker may not carry a gene that affects phenotype.
D. True.
E. True.