

3) A Punnet Square is a way of determining probabilities for a trait to be passed down from parents to children. Construct a Punnet Square for each of the following scenarios and calculate the percentage chance that a child will have the disease if it is a recessive trait.

a. One parent has the disease and one parent is completely normal

c. Both parents have the disease

b. One parent has the disease and one parent is a carrier

d. Both parents are carriers

4) Will every child with this disease have parents with the disease? Explain why or why not.
