

Student Score = 10

1. The genetic counselor recommended that the entire family be tested for Tay Sachs.

All surviving siblings are over the age of 5 and are in good health. What information does the genetic counselor hope to learn by testing Sarah's brothers and sister?

The genetic counselor is hoping to learn if the brothers and sisters carry the gene that causes Tay Sachs. If the gene that causes Tay Sachs is a recessive trait, then the brothers and sisters could carry the gene without having the disorder. Therefore, they could pass down the trait of having Tay Sachs to their kids if they mated with someone that also carries the Tay Sachs gene.

Student Response

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