

Sickle-cell anemia is an autosomal recessive trait. If a man who suffers from this disease fathers a child with a woman who is a carrier for the sickle-cell trait, what are the chances that their child will be affected?

A 25%

B 50%

C 75%

D 100%

There is a 50% chance that their child will be homozygous for the recessive sickle-cell trait.

Answer **B**.

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