

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**.