

If a population grows exponentially at a rate  $r$ , the time it will take the population to double is given by the formula  $t = \underline{\hspace{2cm}}$ .

A)  $\frac{\ln 2}{r}$

B)  $\frac{2}{r}$

C)  $\ln 2 r$

D)  $2 r$

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Answer **A**.