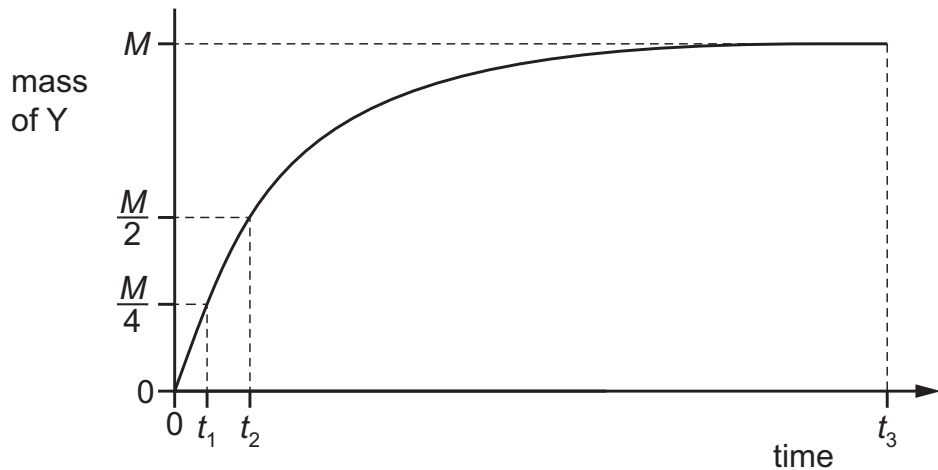


- 36 Radioisotope X decays to the stable isotope Y. The graph shows how the mass of Y present in a sample varies with time.



Which time interval gives the half-life of X?

- A**  $t_2 - t_1$       **B**  $t_3 - t_2$       **C**  $t_2$       **D**  $\frac{1}{2} t_3$