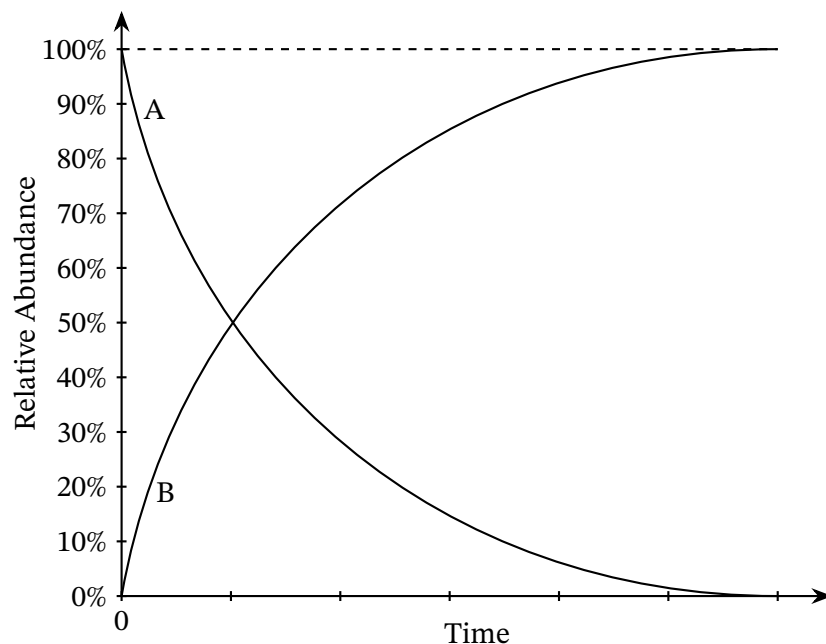


Worksheet: Progress–Time Graphs



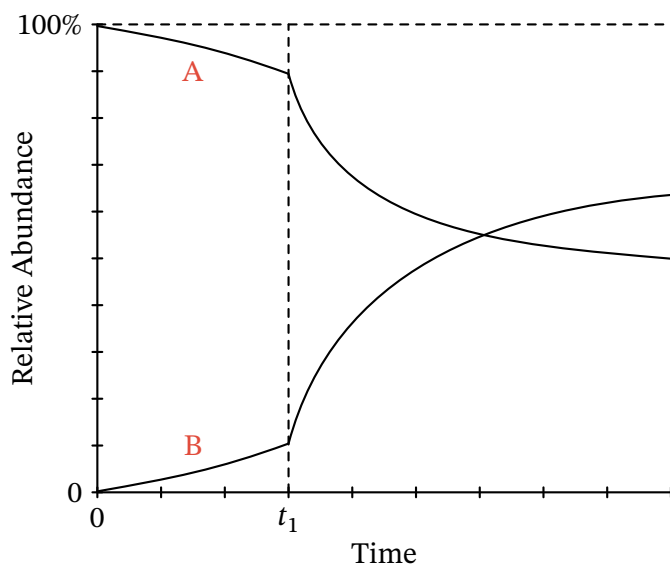
Q1: The graph shows the relative abundance of gases A and B during a reaction where A transforms into B.



Which of the following statements is false?

- A The rate of the reaction is high at the start and low at the end.
- B At the end of the reaction, A is completely consumed.
- C As the quantity of A decreases, the quantity of B increases.
- D At time 0, the relative abundance of B is 100%.
- E The lines for A and B cross at relative abundance = 50%.

Q2: Shown in the graph are the relative abundance of gases A and B during a reaction where A transforms into B.



At time t_1 , a modification to the system dramatically alters the abundances of A and B. Which of the following is the least likely explanation for the changes observed?

- A A catalyst was added.
- B The pressure increased.
- C The temperature increased.
- D More of A was added.
- E The gases were stirred.