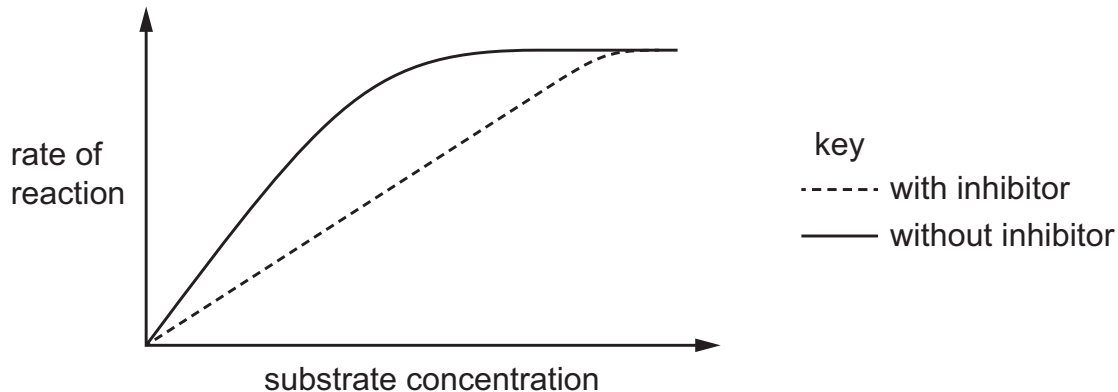


- 12 The graph shows the effect of substrate concentration on an enzyme-catalysed reaction with and without a competitive inhibitor.



What is the effect of the competitive inhibitor on V_{\max} and K_m ?

- A V_{\max} decreases and K_m decreases.
- B V_{\max} stays the same and K_m decreases.
- C V_{\max} stays the same and K_m increases.
- D V_{\max} decreases and K_m stays the same.