

7. Consider the following statements about the effect of a catalyst being added to a reaction mixture.
- (i) The formation of intermediate species not found in the uncatalysed reaction.
 - (ii) The availability of a new reaction path having a lower activation energy.
 - (iii) An increase in the percentage of collisions resulting in a reaction.
 - (iv) The equal increase of both forward and reverse reaction rates.

Which of these statements describe what will occur when a catalyst is added to a reaction mixture?

- (a) i and ii only
- (b) ii and iv only
- (c) i, ii and iv only
- (d) i, ii, iii and iv