

1. Consider the following statements about acid-base indicators. Acid-base indicators
- (i) change colour as the concentration of hydrogen ions changes.
 - (ii) are weak acids or bases.
 - (iii) must not react with the reactants or products in a titration.
 - (iv) must be used in large volumes for the best results.

Which of the above statements is/are correct?

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