

1. Window cleaner contains
(a) ammonium hydroxide (b) sodium hydroxide
(c) tartaric acid (d) calcium hydroxide.
2. Phenolphthalein gives _____ colour with soap solution.
(a) pink (b) colourless (c) orange (d) green
3. China rose indicator turns _____ with aerated soft drink.
(a) green (b) magenta (c) blue (d) black
4. Sodium chloride solution is neutral in nature because
(a) it is formed by the complete neutralisation of a strong acid and a strong base
(b) it is formed by the complete neutralisation of a weak acid and a weak base
(c) it is formed by the incomplete neutralisation of a strong acid and a strong base
(d) it is formed by the incomplete neutralisation of a weak acid and a weak base.
5. The correct way of making a solution of acid in water is to
(a) add water to acid (b) add acid to water
(c) mix acid and water simultaneously (d) add water to acid in a shallow container:
6. Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions, respectively are
(a) red and blue (b) blue and red
(c) pink and colourless (d) colourless and pink.
7. 'Litmus', a natural dye is an extract of which of the following?
(a) China rose (Gudhal) (b) Beetroot
(c) Lichen (d) Blue berries (Jamun)
8. A solution changes the colour of turmeric indicator from yellow to red. The solution is
(a) basic (b) acidic (c) neutral (d) either neutral or acidic.
9. Which of the following set of substances contain acids?
(a) Grapes, lime water (b) Vinegar, soap
(c) Curd, milk of magnesia (d) Curd, vinegar

Assertion-Reason Codes:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
 - (b) If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.
 - (c) If Assertion is true but Reason is false.
 - (d) If both Assertion and Reason are false.
10. Assertion: When an acid is dissolved in water, heat is given out.
Reason: Acids are diluted by adding water to acids.
 11. Assertion: Acids are not stored in metal containers.
Reason: Metal reacts with acids
 12. Assertion: A farmer adds quick lime to basic soil.
Reason: Quick lime neutralises the excess of base present in soil.
 13. Select the odd one out.
(a) Formic acid (b) Nitric acid (c) Sulphuric acid (d) Hydrochloric acid