

Hots (Higher Order Thinking Skills)

Q.1. If you are given a colourless liquid, how will you find out if it is an acid or a base without tasting it?

Ans. We can find out by using an indicator like litmus paper. If on putting some drops of the liquid on red litmus paper it turns blue, the liquid is a base and if it remains unchanged then it is an acid.

Q.2. Why do copper and brass vessels need 'kalai'?

Ans. Copper and brass vessels on reacting with acids get corroded. Kalai prevents their corrosion.

Q.3. What happen to the dry litmus paper used to test the nature of solid baking soda. Give reason of your answer.

Ans. No change will be observed, because baking soda in solid state do not contain free ions to more while if we use baking soda solution due to presence of free ions, now it could litmus paper will convert into blue, because baking soda solution is basic in nature.