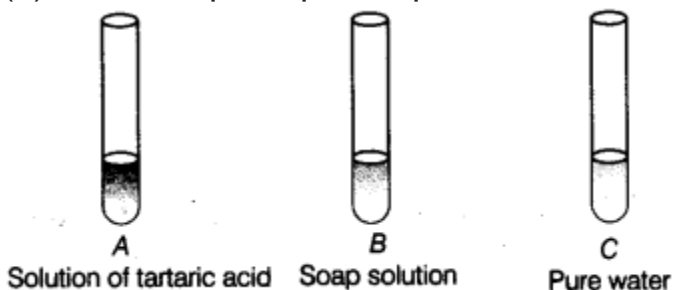


## Ch – 7: Acids, Bases and Salts

1. A farmer was unhappy because of his low crop yield. He discussed the problem with an agricultural scientist and realised that the soil of his field was either too acidic or too basic. What remedy would you suggest the farmer to neutralise the soil?
2. Name three bases used in the laboratory with their formulae.
3. You are provided with three test tubes A, B and C as shown in figure with different liquids. What will you observe when you put
  - (a) a piece of blue litmus paper in each test tube?
  - (b) a piece of red litmus paper in each test tube?
  - (c) a few drops of phenolphthalein solution to each test tube?



4. Look at the given reaction.  
Hydrochloric acid + Sodium hydroxide (base) → Sodium chloride (salt) + Water  
Sodium chloride formed in this reaction remains in solution form. Can we get solid sodium chloride from this solution? Suggest a method (if any).
5. Riya observed that most of the fish in the pond of her village were gradually dying. She also observed that the wastes of a factory in their village are flowing into the pond which probably caused the fish to die.
  - (a) Explain why the fish were dying?
  - (b) If the factory waste is acidic in nature, how can it be neutralised?