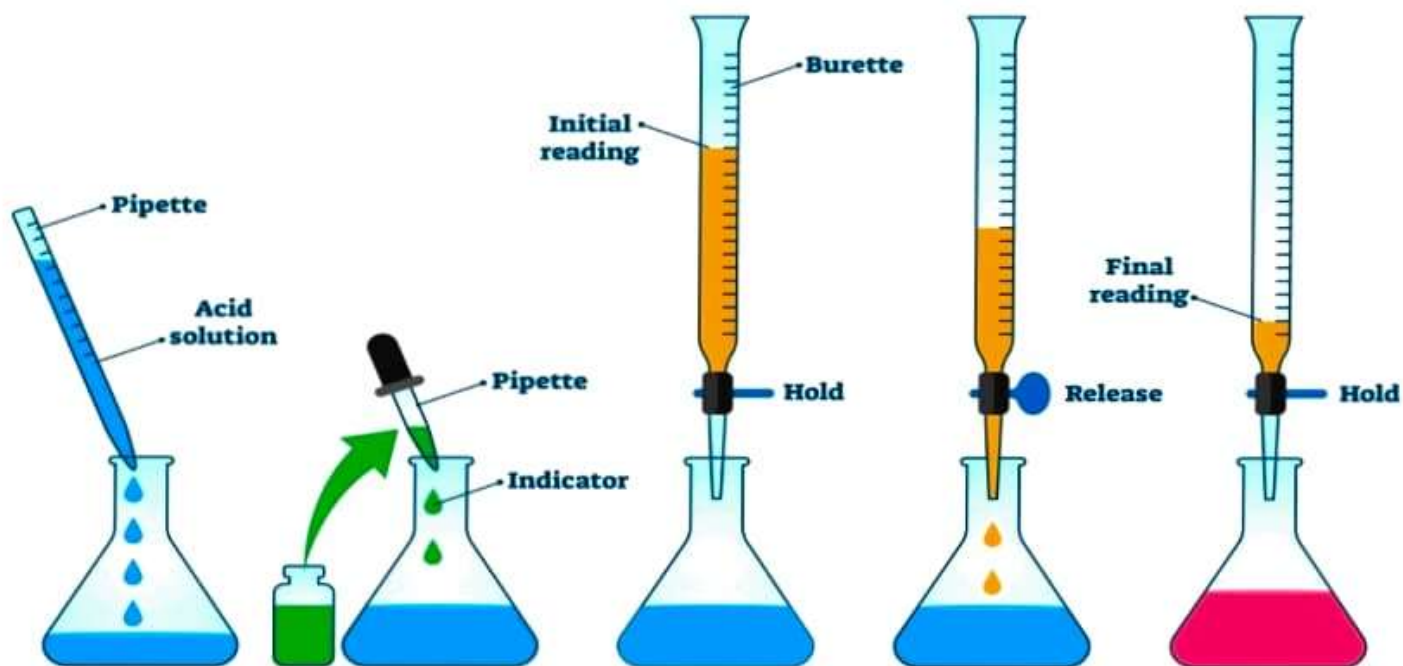


## • Determination of Acidic and Basic Nature



Phenolphthalein is a Colorless,, weak acid that is widely used as an indicator in titration experiments to indicate the endpoint of the titration

**Process-** The titration process begins with a beaker of acid and base solutions. A burette is used to slowly add the base solution to the acid solution. The amount of base solution added is recorded. The process is complete when the acid and base solutions are neutralized.

### Connecting the Topic to Real-World Applications

Bridging the gap between theory and the real-world applications of titrations can be an effective way to teach students about its principles and related scientific concepts. Educators can connect the topic to tangible examples to ignite students' curiosity and drive their motivation to learn. How titration is used in various fields such as pharmaceuticals, environmental monitoring, and food science.

By—

Rohit Kumar Gupta

(PGT Chemistry).