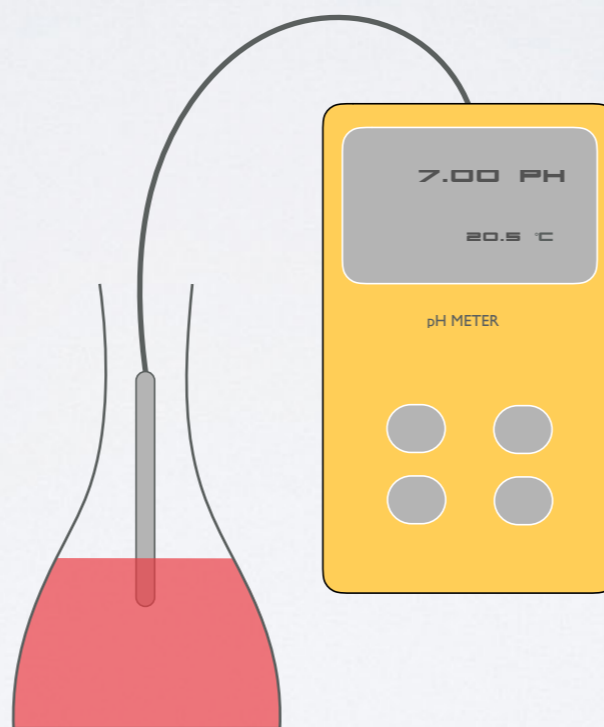
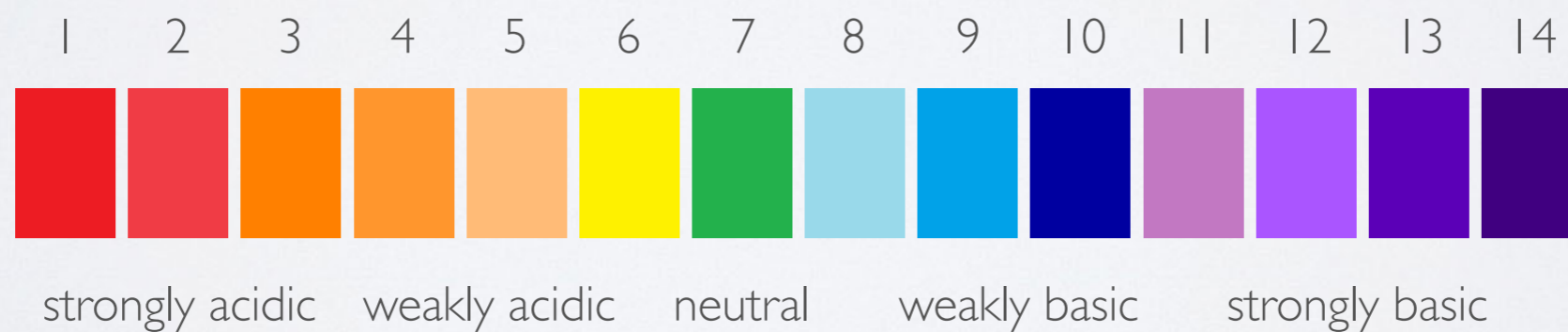
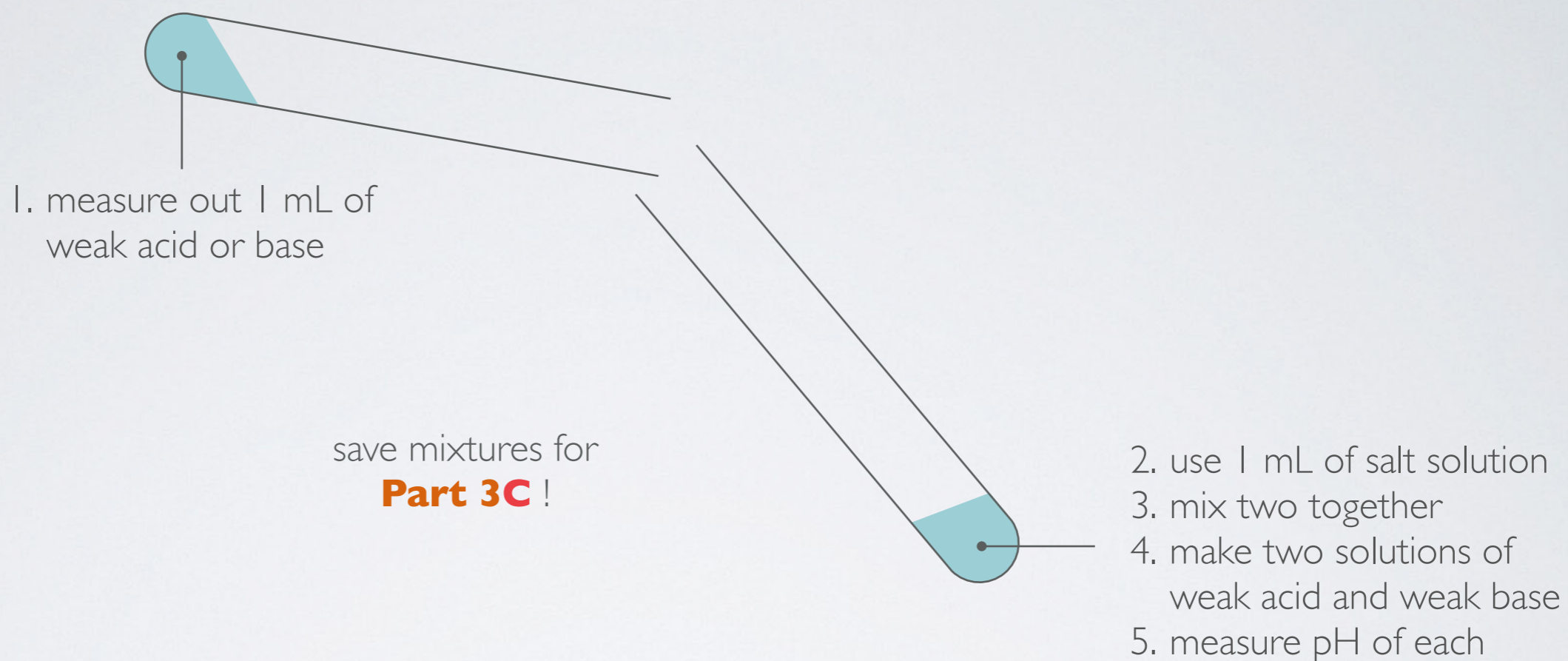


Acids, Bases, Salts, & Buffers

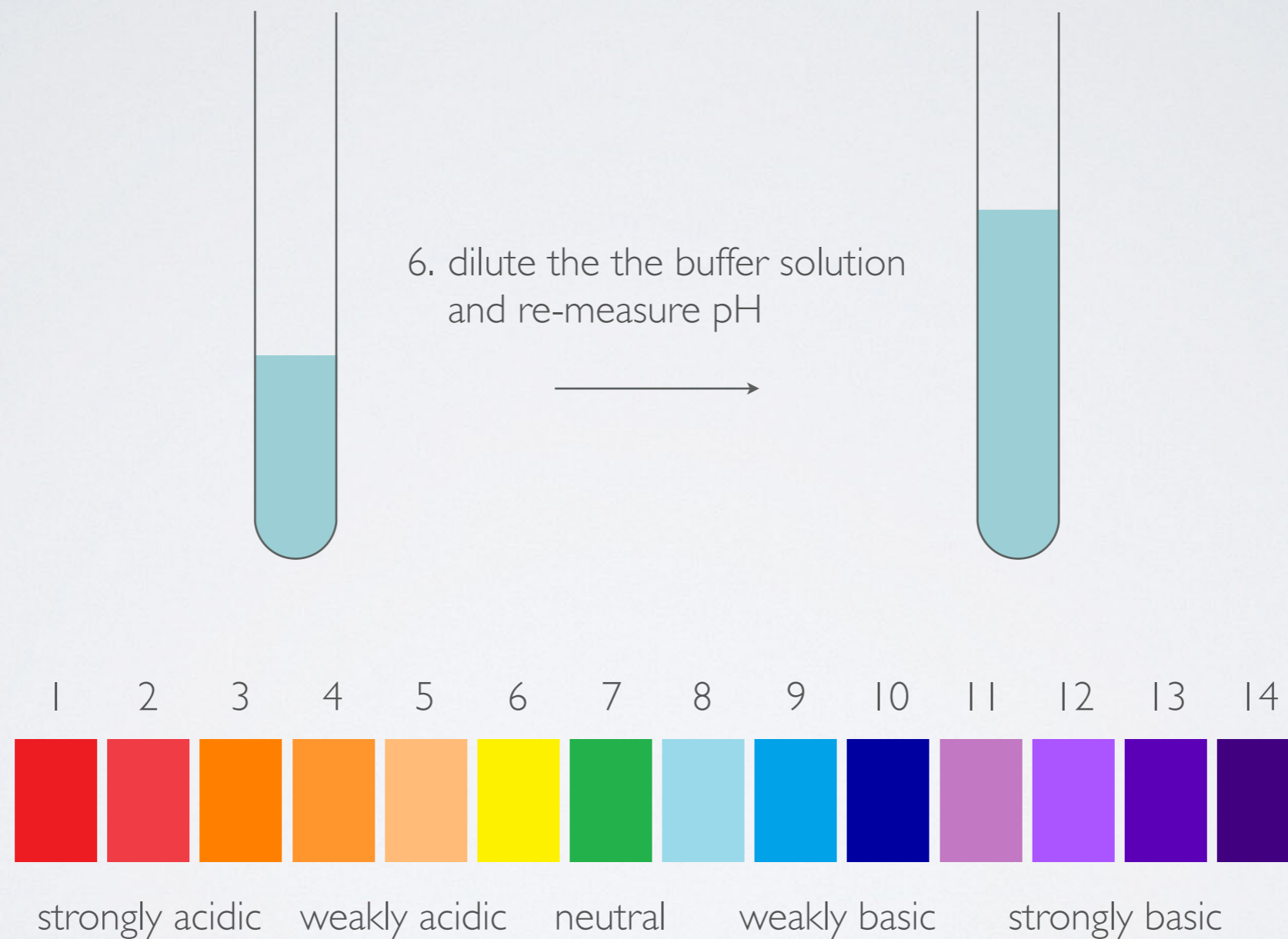


Part 3A Preparation & Testing of Potential Buffer Solutions



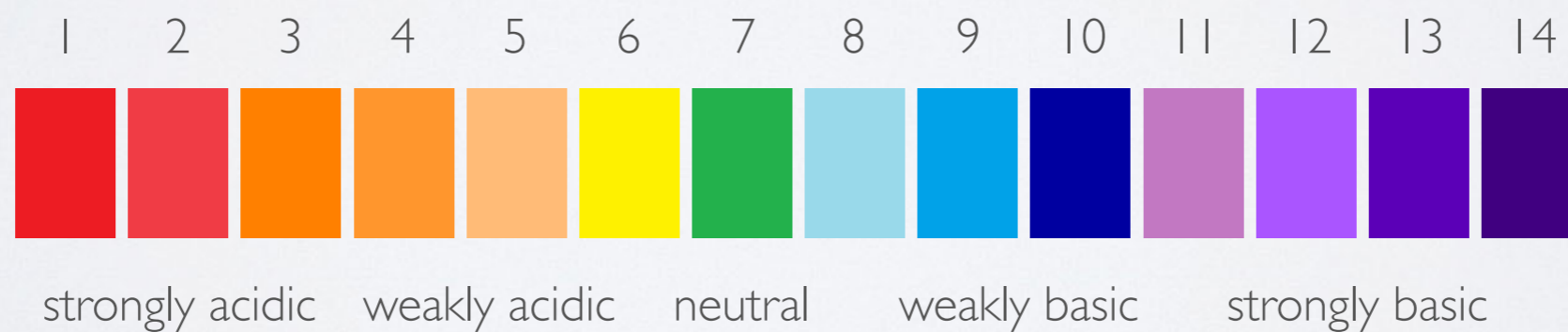
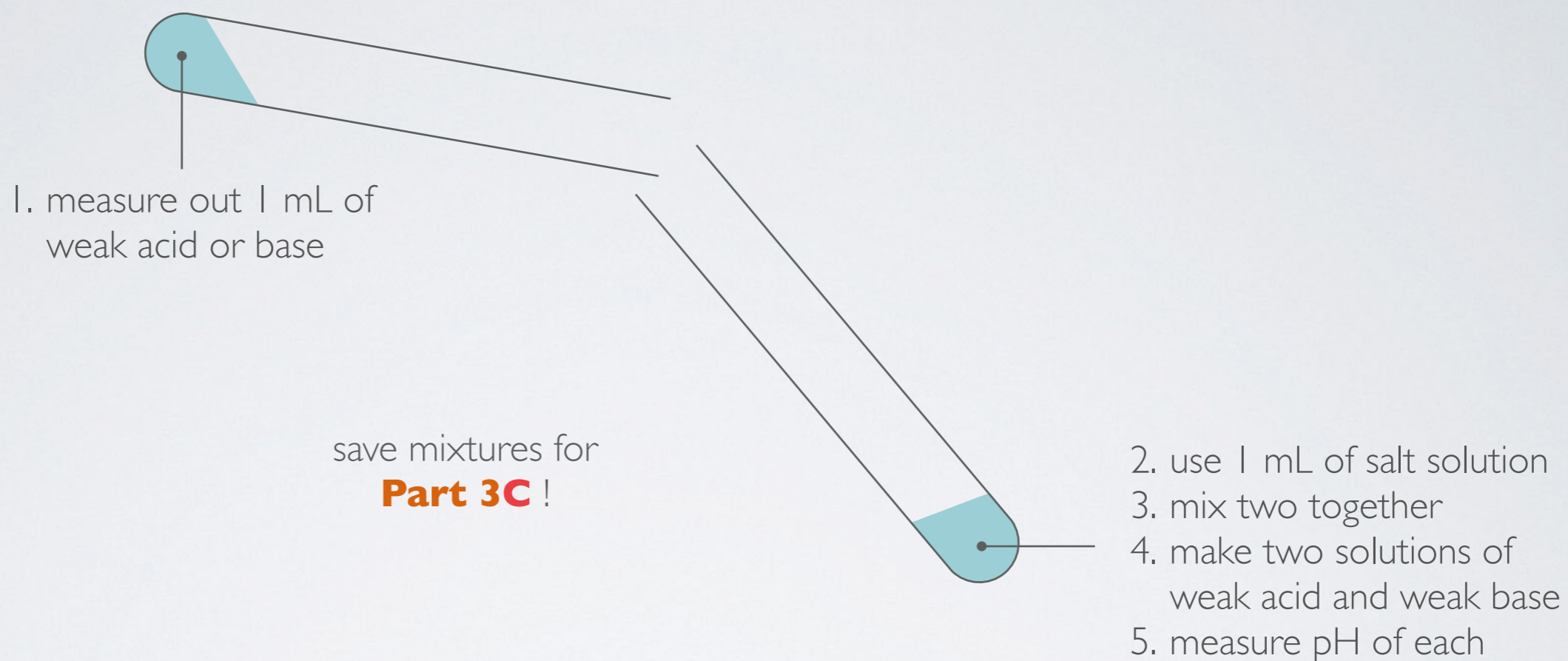
Universal Indicator Colors

Part 3A Preparation & Testing of Potential Buffer Solutions



Universal Indicator Colors

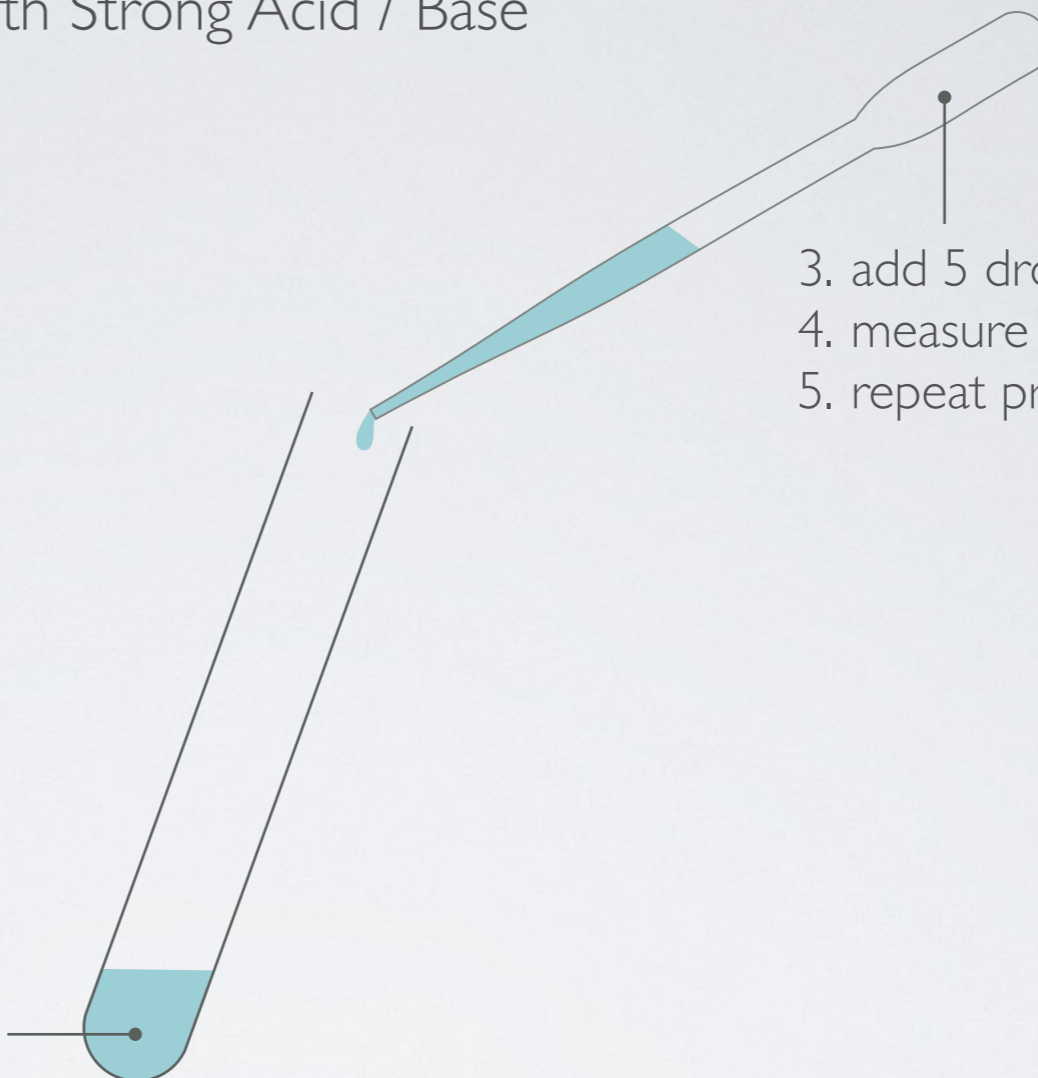
Part 3A Preparation & Testing of Potential Buffer Solutions



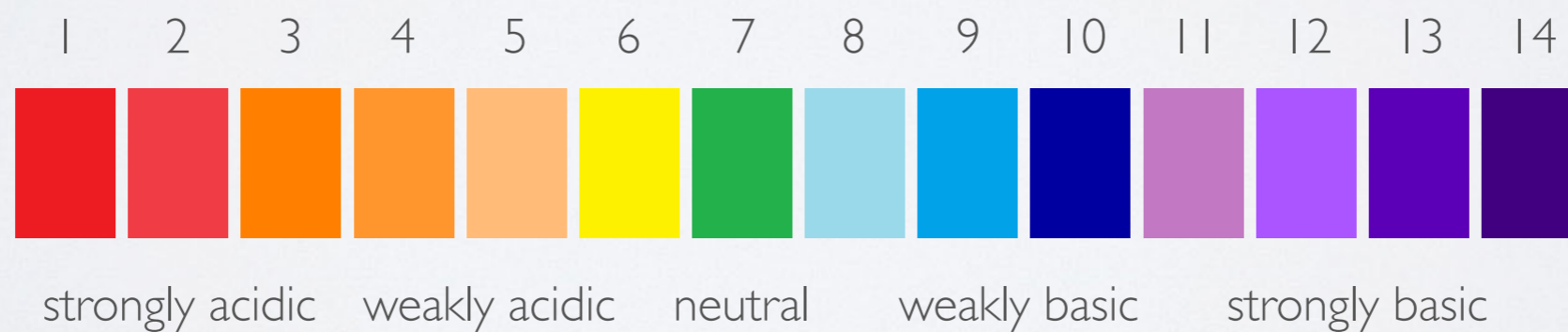
Universal Indicator Colors

Part 3B pH of DI Water Mixed with Strong Acid / Base

1. use 1 mL of *boiled* DI water
2. measure pH with pH paper

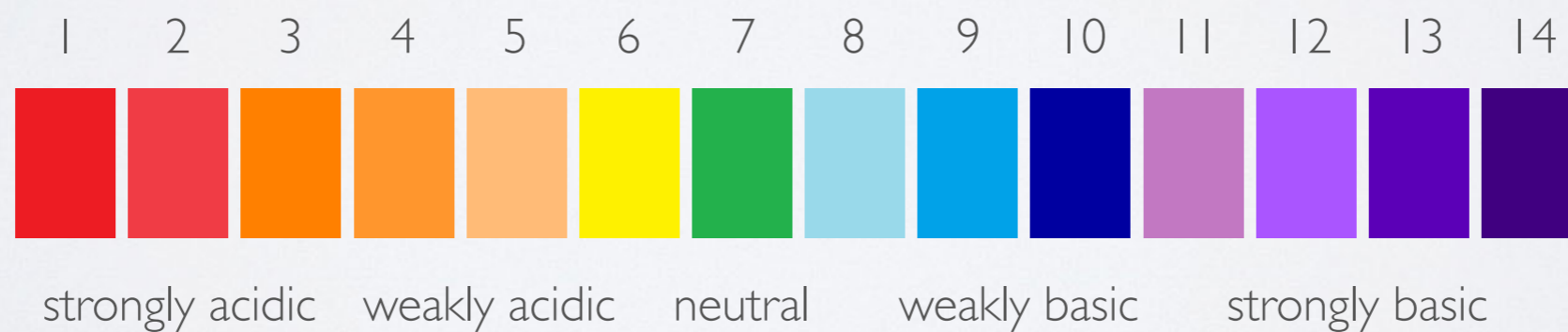
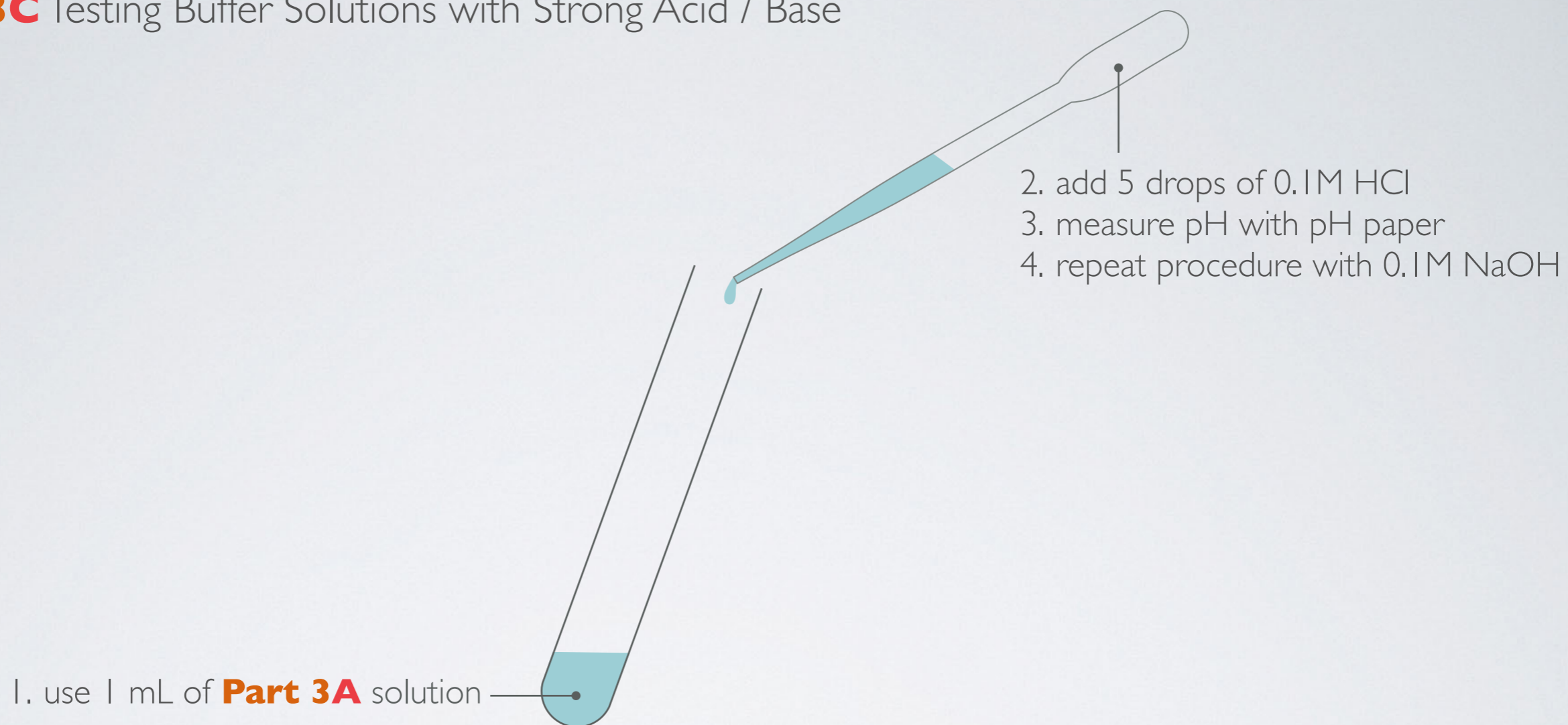


3. add 5 drops of 0.1M HCl
4. measure pH with pH paper
5. repeat procedure with 0.1M NaOH



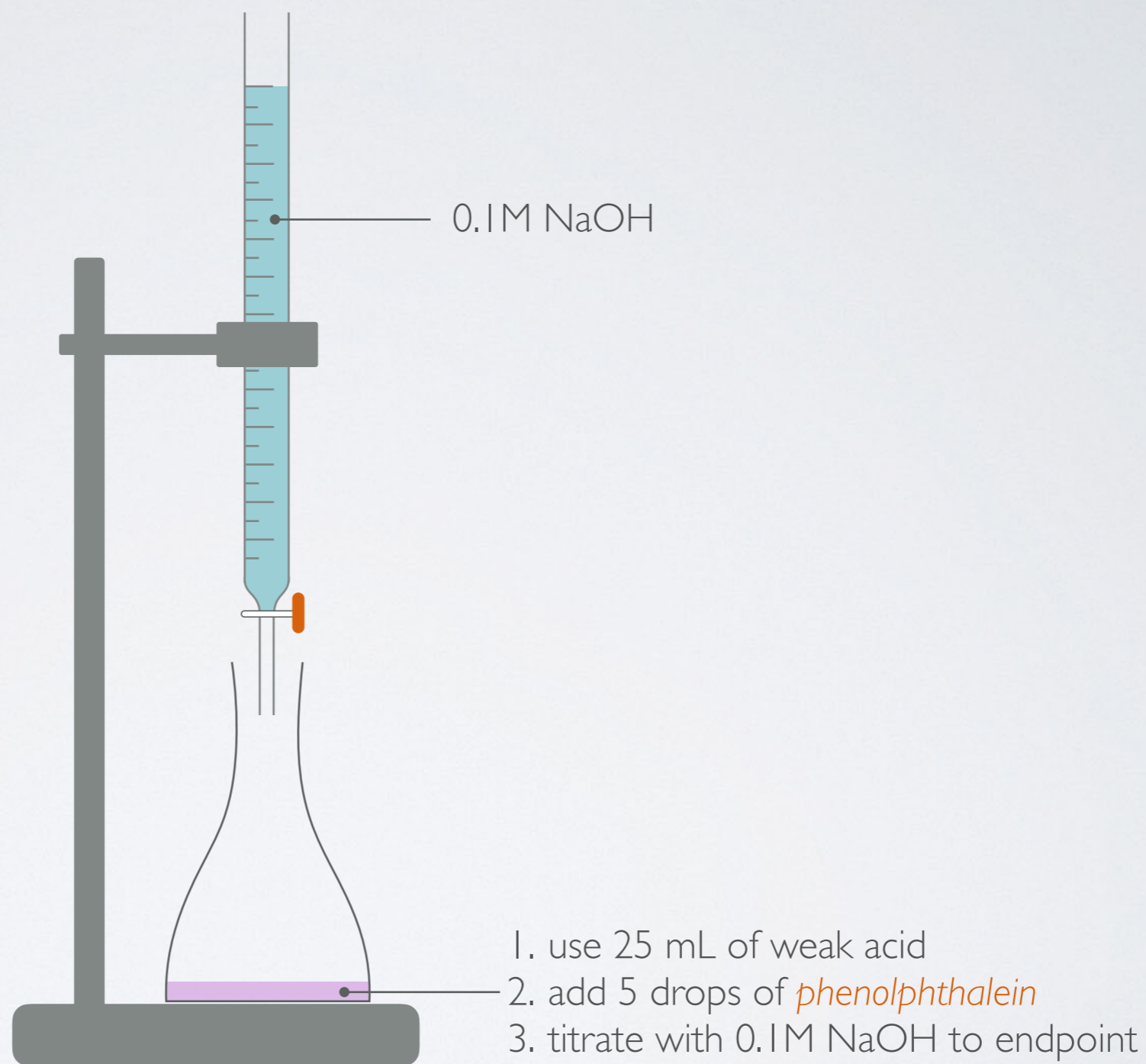
Universal Indicator Colors

Part 3C Testing Buffer Solutions with Strong Acid / Base

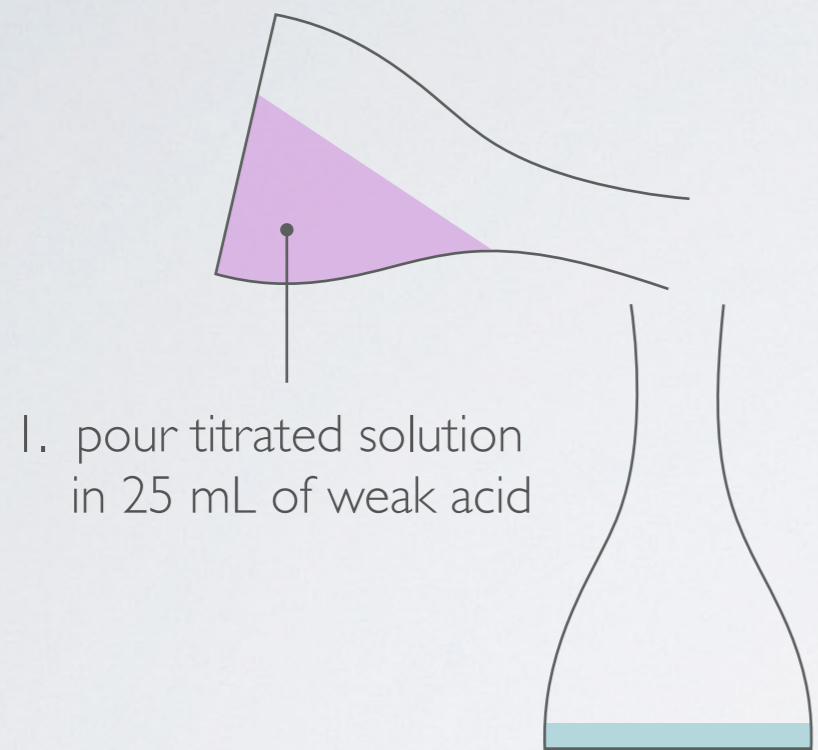


Universal Indicator Colors

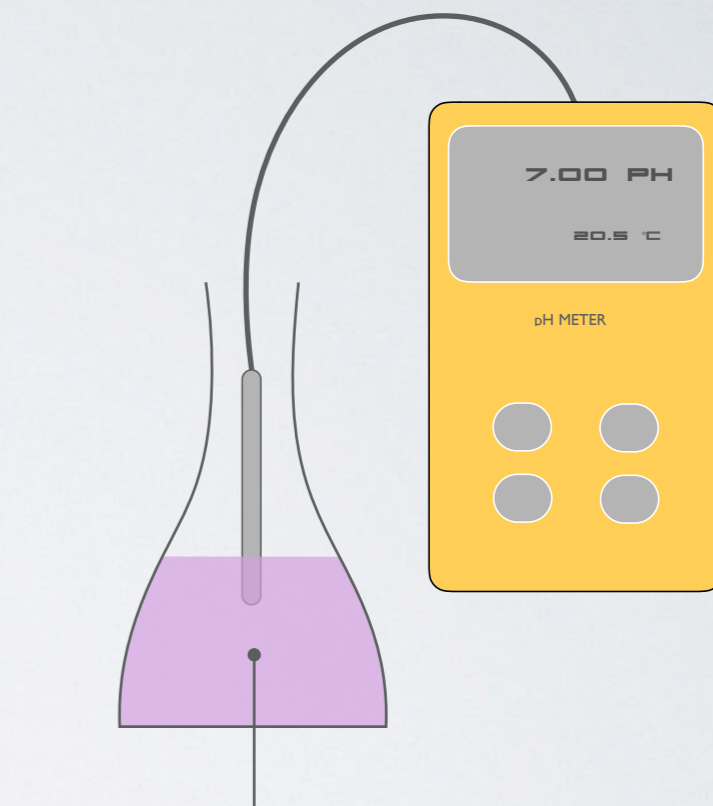
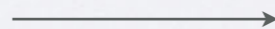
Part 3D Estimating pK of Weak Acid / Base



Part 3D Estimating pK of Weak Acid / Base

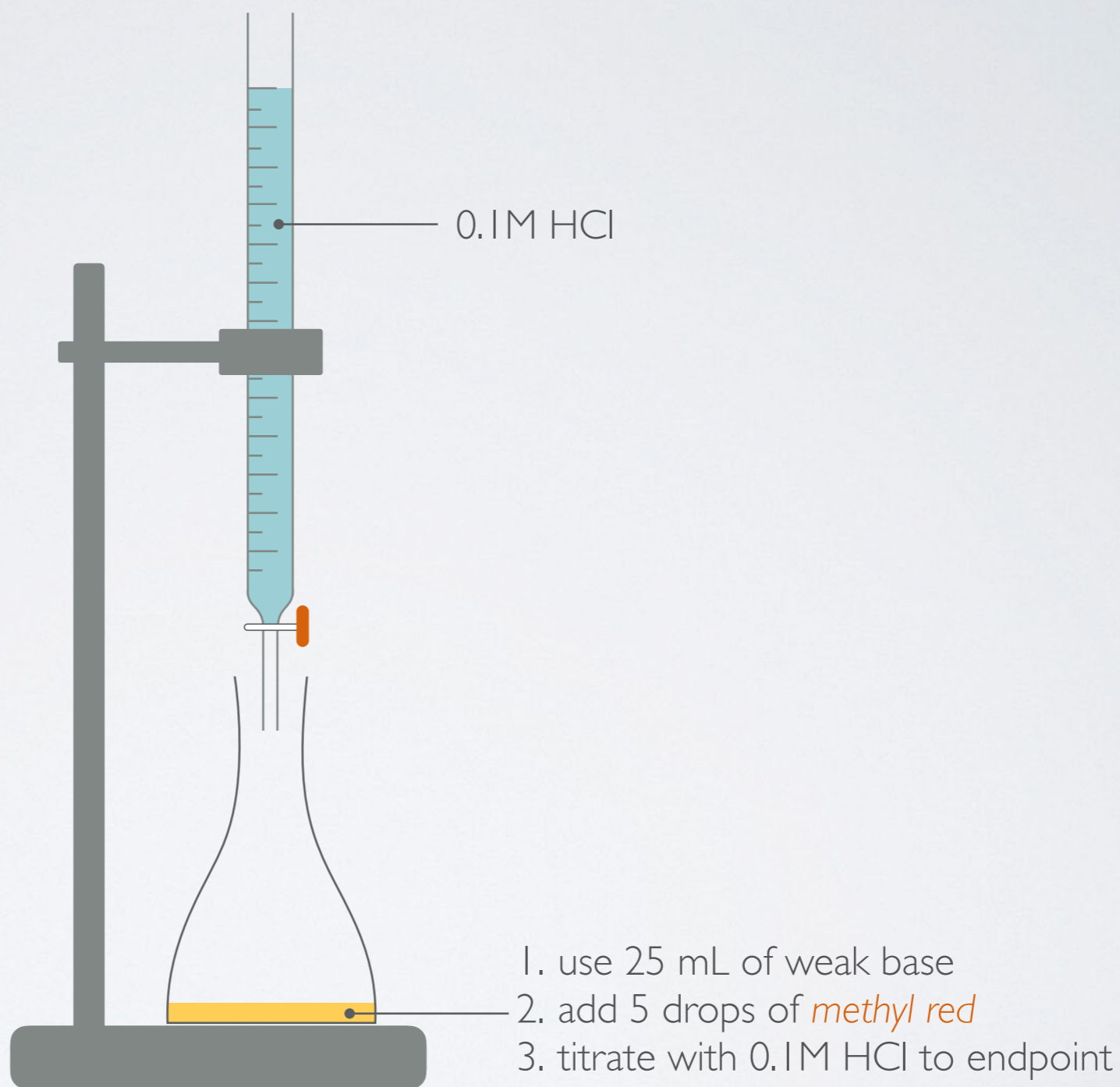


1. pour titrated solution
in 25 mL of weak acid



2. measure pH of the
mixed solution

Part 3D Estimating pK of Weak Acid / Base



Part 3D Estimating pK of Weak Acid / Base

