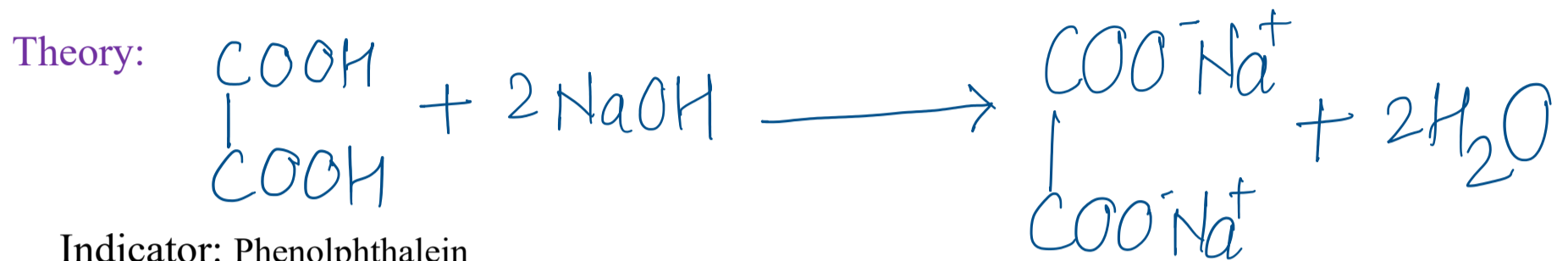


Aim: Determine the strength of oxalic acid solution using approximately N/30 NaOH as an intermediate solution.

Sunday, 30 August 2020 12:50 AM

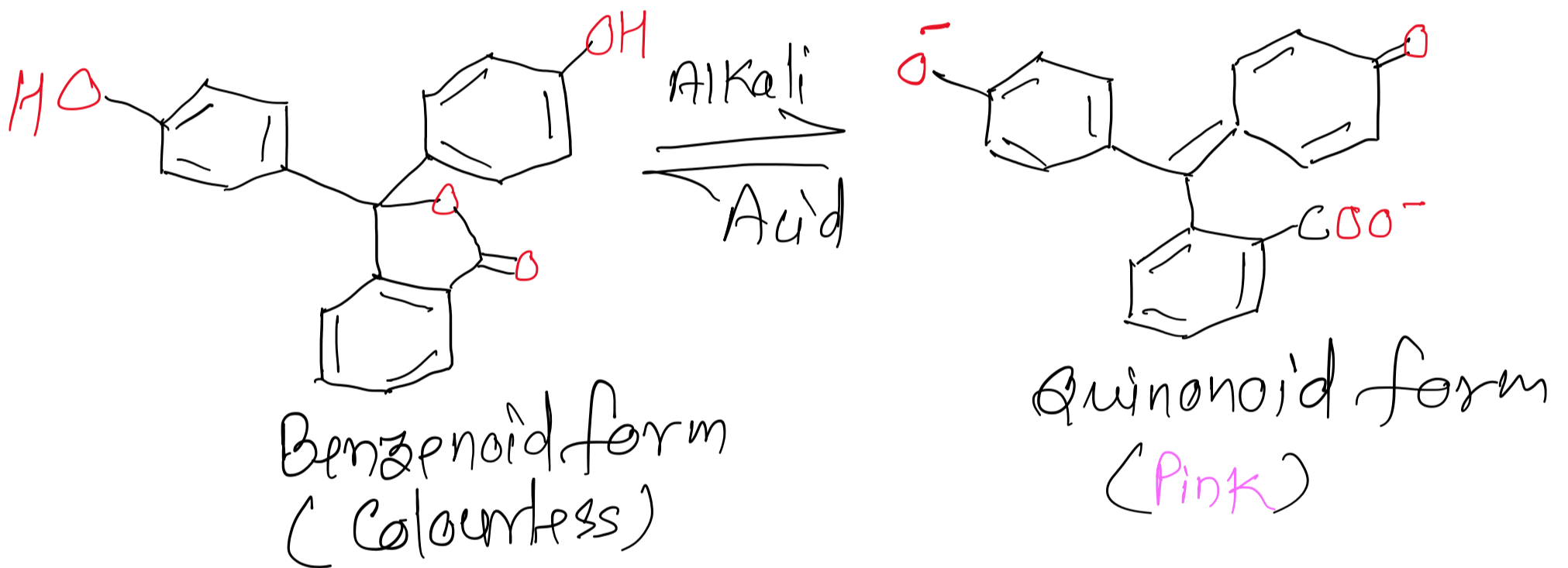
Requirements: Standard flask, conical flask, burette, pipette, burette stand, beaker, wash bottle, spatula etc.

Solutions and Reagents: Oxalic acid, NaOH, Phenolphthalein indicator and oxalic acid.



Indicator: Phenolphthalein

pH Range of Indicator \Rightarrow 8.3 - 10



Calculations:

Preparation of $\frac{N}{30}$ oxalic acid : (100ml)

$$N = \frac{1}{30}$$

$$W = \frac{NEV}{1000}$$

$$W = \frac{1}{30} \times \frac{63.04 \times 1000}{1000}$$

$$W = 0.210 \text{ g}$$

$$\frac{\text{Equivalent wt. of O.A.}}{\text{Molecular wt.}} = 2$$

Result: Strength of given oxalic acid =g/L