

Lab Exam Review

I) Parts of a lab report:

A) Aim:

With the materials given, your task is to determine which two solutions are already neutral and to neutralize the one which is not.

B) Hypothesis:

- Acids & Bases neutralize
- Use indicator
Indicator changes color based on pH

C) Materials:

Spot plate, Wash Beaker, phenol-Red or other indicator, Beaker, Acid, Base & Salt, goggles, Brown Paper

D) Procedure:

- Calibrate your Indicator
- Determine pH of 3 unknowns
- Neutralizing unknown.

E) Results:

- Calibration: Acid, Neutr. Base
color color color
- Unknowns: 1# #2 #3
Neut. Base Neut.
- Neutralize 25 drops of #2 with # drops Acid

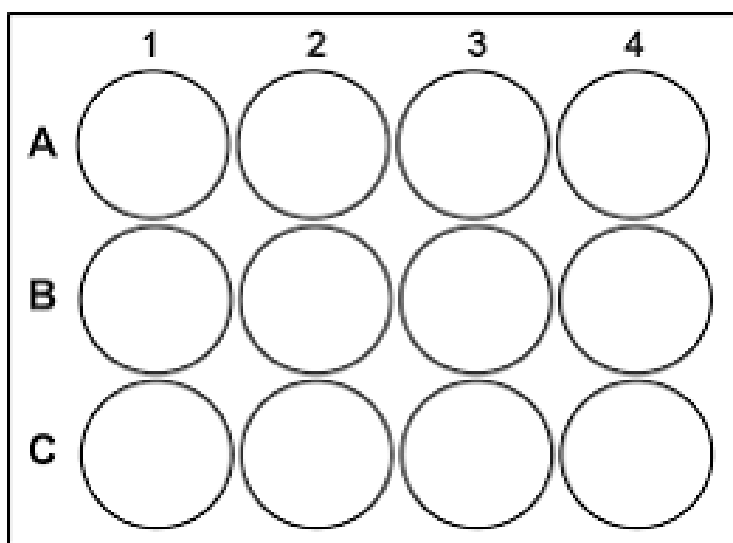
F) Conclusion:

Restate Hypothesis (correct?)
Summarize results
Sources of Error

II) Procedures to know:

a) To identify if an unknown is an acid, base or neutral solution.

Materials: Unknown solution, indicator, NaOH, HCl and NaCl.



b) To neutralize the unknown solution using the information above.

