**pH Indicator Lab Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

In this lab, we will measure look at phenolphthalein. Phenolphthalein is a pH is used as a pH indicator. It is a colorless liquid under normal conditions when placed in water. Follow each step below. Record observations along the way. Answer the questions at the end.

1. Pour 100 ml of water into a beaker
2. Using a pipette, add 3 drops of phenolphthalein
* What color is phenolphthalein? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What color is the solution after adding the phenolphthalein? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Clean the pipette using tap water
2. Add 5 drops of ammonia (avoid inhaling vapors)
* What color is the ammonia? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What color is the solution now? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Clean pipette using tap water from the sink
2. Add 5 drops of acetic acid to the solution.
* What color is the acetic acid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What color is the solution now? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Pour solution down drain
2. Rinse pipette
3. Put caps back on everything
4. Clean up lab station

Write a **paragraph** to **explain** what is happening. What happens when you add the ammonia? What happens when you add the acetic acid? Use correct vocabulary and terminology from this unit.

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* What color is the solution after adding the phenolphthalein? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Clean the pipette using tap water
2. Add 5 drops of ammonia (avoid inhaling vapors)
* What color is the ammonia? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What color is the solution now? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Clean pipette using tap water from the sink
2. Add 5 drops of acetic acid to the solution.
* What color is the acetic acid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What color is the solution now? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Pour solution down drain
2. Rinse pipette
3. Put caps back on everything
4. Clean up lab station

Write a **paragraph** to **explain** what is happening. What happens when you add the ammonia? What happens when you add the acetic acid? Use correct vocabulary and terminology from this unit.