

DATA AND OBSERVATIONS:

<u>TEST TUBE PH</u>	<u>COLOR CHANGE</u>
1	
3	
5	
7	
10	
14	
UNKNOWN	

QUESTIONS:

1. What is the pH range of an acid solution? What is the pH range of a basic solution?
2. According to Arrhenius, what ion does an acid yield when dissolved in solution? What about bases?
3. What was the pH of the unknown solution? It is an acid or a base? Explain your answer
4. If more hydronium ions were added to a solution, what kind of colors would the cabbage indicator turn?
5. Using Table M, what color is phenolphthalein in a solution of NH_4OH