Acids, Bases, and pH Lab Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: On the weebly website hover over the tab “chemical reactions” and choose the third page “Acids, bases, and pH”. At the bottom of the page is a blue button “pH lab” click on the button, which will take you to a virtual lab page. **READ THE DIRECTIONS** on the left hand side of the column. You do not have to fill out the virtual table or answer the journal questions. Instead you only need to complete and hand in this paper. You may work with a partner on this lab.

On the table below you will record the names of the solutions you will test, you prediction of the solutions pH, and the actual pH after using pH paper to test it. Answer the questions below.

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| **Solution** | **pH Prediction** | **pH result after using paper to test**  |
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1. What facts did you use to predict the pH value of the solutions?
2. What is an acid?
3. Of the six solutions you tested which was the most acidic?
4. What is a base?
5. Of the six solutions you tested which was the most basic?
6. What does it mean for a substance to be neutral?
7. Of the six solutions you tested which was the closest to neutral?