

# pH Lab

## (Acids and Bases)

**Purpose:** To determine the pH of household substances.

**Hypothesis:** \_\_\_\_\_

### Materials:

cups or beakers  
pH test paper  
different household substances

### Procedure:

1. Obtain materials from teacher. (Be sure to read all labels on each cup.)
2. Predict what you think each substance will be (acid or base) and record on the data sheet.
3. Test each solution with pH paper.
4. Record the results on your data sheet.

### Results:

Data Sheet: (see attached page)

### Questions:

1. What substances were acids? (Name them and their pH)
2. What substances were bases? (Name them and their pH)
3. How do you determine whether a substance is an acid or a base?
4. What is the difference between an acid and a base? (Be sure to state what ions each one has).

### Conclusion:

Write a conclusion based on your lab results. Discuss whether or not your results match your hypothesis. (4-5 sentences long)

Data Sheet:

Substance	Prediction (pH)	Actual (pH)	Observations

Draw a scale w/ substances placed @ the appropriate pH level.

