



## INVESTIGATING PH OF COMMON HOUSEHOLD SUBSTANCES

### **Materials required:**

- > pH strips which indicate an acid-base range from 1-14
- > 15 common household substances in liquid form (not supplied)

### **Instructions**

1. Arrange liquids to be tested at 15 numbered stations around the room. One station can optionally be to test the student's saliva.
2. Provide ea pH color testing guide and 15 sections of pH testing strip. move clockwise around the room to the next station.
2. Record the test result of each substance at each station. Write the name of each liquid next and the tested pH result. Complete all 15 stations.
3. Begin the activity. Allow 2-3 minutes per station.
4. Dip a pH strip into the liquid at the station. Hold it up to the colour chart inside the book of pH strips.
5. Once completed, Dispose of acids and bases in separate containers or at separate sinks.
6. Analyze data by comparing the similarities and differences of liquids next to each other on the scale and those which are farther apart. Example: 2 to 3, 4 to 5, 7 to 8, 10 to 11; and 2 to 10, 4 to 9.
7. Discuss uses of liquids explain the characteristics of liquids.